8e6 Technologies

8e6® Threat Analysis Reporter

QUICK START GUIDE

Model: TAR

HL-005-004, SL-004-004, MSA-004-004

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8e6 Threat Analysis Reporter Quick Start Guide

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The Threat Analysis Reporter products have been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

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Part# TARul-QSG-080919

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Threat Analysis Reporter Introduction

Thank you for choosing to evaluate the 8e6 Technologies Threat Analysis Reporter. This product addresses user-generated Web threats such as excessive use of bandwidth and inappropriate Internet usage, and provides network administrators tools to monitor such threats so management can enforce corporate Internet usage policies.

Working in conjunction with 8e6's R3000 Enterprise Filter, the Threat Analysis Reporter translates end user Internet activity from the R3000's logs into dynamic graphical snapshots of network Internet traffic. Using remediation tools in the console, administrators and management can then manage and control user-generated Web threats in real time.

The TAR HL and SL server models include RAID technology for fault tolerance and high performance.

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About this Document

This document is divided into the following sections:

- **Introduction** - This section is comprised of an overview of the Threat Analysis Reporter product and how to use this document
- **Service Information** - This section provides 8e6 Technologies contact information
- **Preliminary Setup Procedures** - This section includes instructions on how to physically set up the Threat Analysis Reporter unit in your network environment
- **Install the Server** - This section explains how to configure the Threat Analysis Reporter
- **Conclusion** - This section indicates that the quick start steps have been completed
- **LED Indicators and Buttons** - This section explains how to read LED indicators and use LED buttons for troubleshooting the unit
- **Regulatory Specifications and Disclaimers** - This section cites safety and emissions compliance information for the TAR models referenced in this document
- **Appendix: Optional Ethernet Tap Installation** - This appendix explains how to install the optional Ethernet Tap device on your network for bandwidth monitoring
- **Index** - An alphabetized list of some topics included in this document

Conventions Used in this Document

The following icons are used throughout this document to call attention to important information pertaining to handling, operation, and maintenance of the server; safety and preservation of the equipment, and personal safety:

NOTE: *The "note" icon is followed by additional information to be considered.*

WARNING: *The "warning" icon is followed by information alerting you to a potential situation that may cause damage to property or equipment.*

CAUTION: *The "caution" icon is followed by information warning you that a situation has the potential to cause bodily harm or death.*

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Service Information

The user should not attempt any maintenance or service on the unit beyond the procedures outlined in this document.

Any initial hardware setup problem that cannot be resolved at your internal organization should be referred to an 8e6 Technologies solutions engineer or technical support representative.

8e6 Corporate Headquarters (USA)

Local	:	714.282.6111
Domestic US	:	1.888.786.7999
International	:	+1.714.282.6111

8e6 Taiwan

Taipei Local	:	2397-0300
Domestic Taiwan	:	02-2397-0300
International	:	886-2-2397-0300

Procedures

When calling 8e6 Technologies regarding a problem, please provide the representative the following information:

- Your contact information.
- Serial number or original order number.
- Description of the problem.
- Network environment in which the unit is used.
- State of the unit before the problem occurred.
- Frequency and repeatability of the problem.
- Can the product continue to operate with this problem?
- Can you identify anything that may have caused the problem?

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Preliminary Setup Procedures

Unpack the Unit from the Carton

Inspect the packaging container for evidence of mishandling during transit. If the packaging container is damaged, photograph it for reference.

Carefully unpack the unit from the carton and verify that all accessories are included. Save all packing materials in the event that the unit needs to be returned to 8e6 Technologies.

The carton should contain the following items:

- 1 Threat Analysis Reporter unit
- 1 AC Power Cord, 2 AC Power Cords for HL servers
- 1 Serial Port Cable
- 1 CAT-5E Crossover Cable
- Rack Mount Brackets (2)
- 1 End User License Agreement (EULA)
- 1 envelope containing a CD-ROM with a PDF of the Threat Analysis Reporter User Guide. The latest version of the user guide can be obtained from our Web site at **http://www.8e6.com/docs/tar_ug.pdf**.

NOTES: *A coupler is included in the carton if a three-foot CAT-5E crossover cable is packaged with your unit instead of a 14-foot CAT-5E crossover cable. For HL and SL servers, 1 bezel to be installed on the front of the chassis also is included, as well as 1 spare parts kit. For HL servers, this kit contains a hard drive and power supply. For SL servers, this kit contains a hard drive.*

Inspect the server and accessories for damage. If the contents appear damaged, file a damage claim with the carrier immediately.

WARNING: *To avoid danger of suffocation, do not leave plastic bags used for packaging the server or any of its components in places where children or infants may play with them.*

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Select a Site for the Server

The server operates reliably within normal office environmental limits. Select a site that meets the following criteria:

- Clean and relatively free of excess dust.
- Well-ventilated and away from sources of heat, with the ventilating openings on the server kept free of obstructions.
- Away from sources of vibration or physical shock.
- Isolated from strong electromagnetic fields and noise caused by electrical devices such as elevators, copy machines, air conditioners, large fans, large electric motors, radio and TV transmitters, and high-frequency security devices.
- Access space provided so the server power cord can be unplugged from the power supply or the wall outlet—this is the only way to remove the AC power cord from the server.
- Clearance provided for cooling and airflow: Approximately 30 inches (76.2 cm) in the back and 25 inches (63.5 cm) in the front.
- Located near a properly earthed, grounded, power outlet.

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Rack Mount the Server

Rack Setup Precautions

Warning:

Before rack mounting the server, the physical environment should be set up to safely accommodate the server. Be sure that:

- The weight of all units in the rack is evenly distributed. Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- The rack will not tip over when the server is mounted, even when the unit is fully extended from the rack.
- For a single rack installation, stabilizers are attached to the rack.
- For multiple rack installations, racks are coupled together.
- Reliable earthing of rack-mounted equipment is maintained at all times. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).
- A power cord will be long enough to fit into the server when properly mounted in the rack and will be able to supply power to the unit.
- The connection of the server to the power supply will not overload any circuits. Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- The server is only connected to a properly rated supply circuit. Reliable earthing (grounding) of rack-mounted equipment should be maintained.
- The air flow through the server's fan or vents is not restricted. Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- The maximum operating ambient temperature does not exceed 104°F (40°C). If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer.

WARNING: *Extend only one component at a time. Extending two or more components simultaneously may cause the rack to become unstable.*

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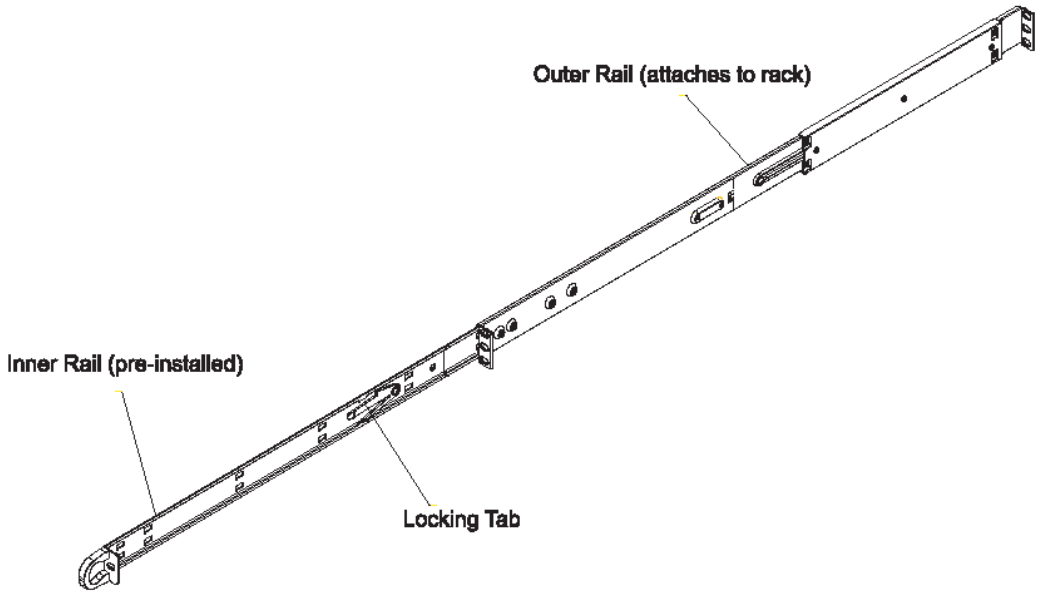
Rack Mount Instructions for HL Servers

Rack Setup Suggestions

- Determine the placement of each component in the rack before you install the rails.
- Install the heaviest server components on the bottom of the rack first, and then work up.

Identify the Sections of the Rack Rails

You should have received two rack rail assemblies with the 8e6 server unit. Each of these assemblies consists of two sections: An inner fixed chassis rail that secures to the unit (A), and an outer fixed rack rail that secures directly to the rack itself (B). Two pairs of short brackets to be used on the front side of the outer rails are also included.



Install the Inner Rails

Both the left and right side inner rails have been pre-attached to the chassis. Proceed to the next step.

Install the Outer Rails

Begin by measuring the distance from the front rail to the rear rail of the rack. Attach a short bracket to the front side of the right outer rail and a long bracket to the rear side of the right outer rail. Adjust both the short and long brackets to the proper distance so that the rail can fit snugly into the rack. Secure the short bracket to the front side of the outer rail with two M4 screws and the long bracket to the rear side of the outer rail with three M4 screws. Repeat these steps for the left outer rail.

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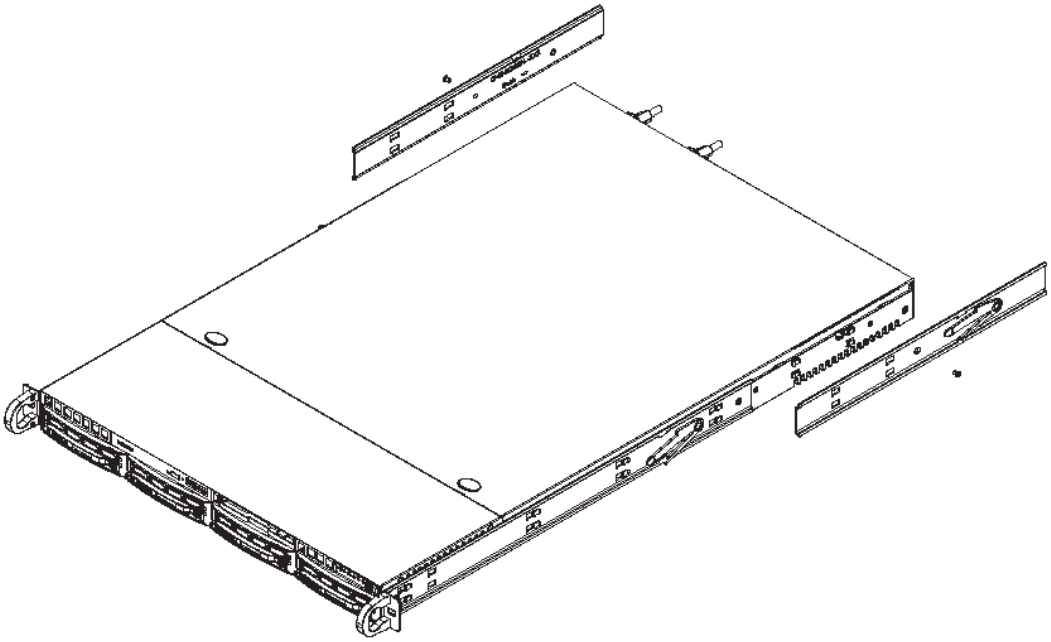
Locking Tabs: Both chassis rails have a locking tab, which serves two functions. The first is to lock the server into place when installed and pushed fully into the rack, which is its normal position. Secondly, these tabs also lock the server in place when fully extended from the rack. This prevents the server from coming completely out of the rack when you pull it out for servicing.



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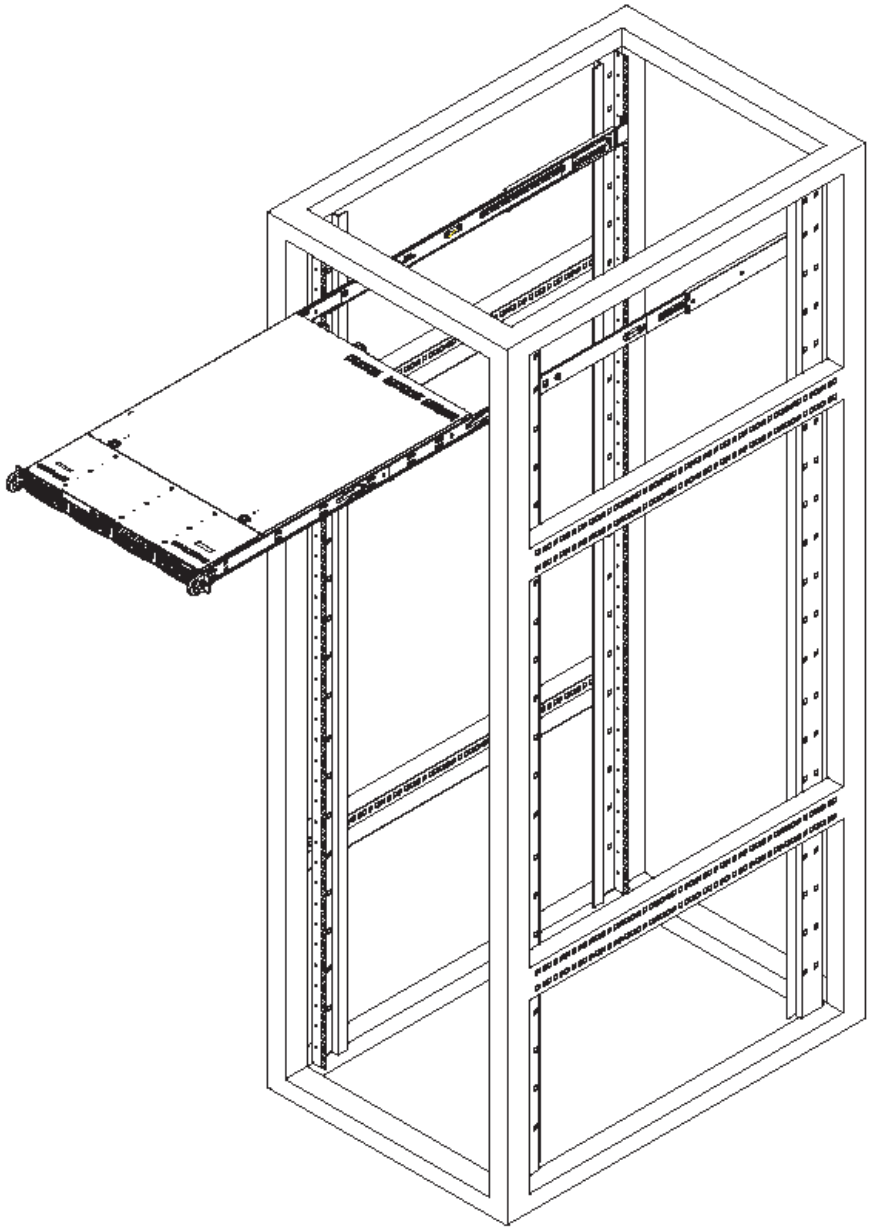
Install the Server into the Rack

You should now have rails attached to both the chassis and the rack unit. The next step is to install the server chassis into the rack. Do this by lining up the rear of the chassis rails with the front of the rack rails. Slide the chassis rails into the rack rails, keeping the pressure even on both sides (you may have to depress the locking tabs when inserting).

When the server has been pushed completely into the rack, you should hear the locking tabs “click.”



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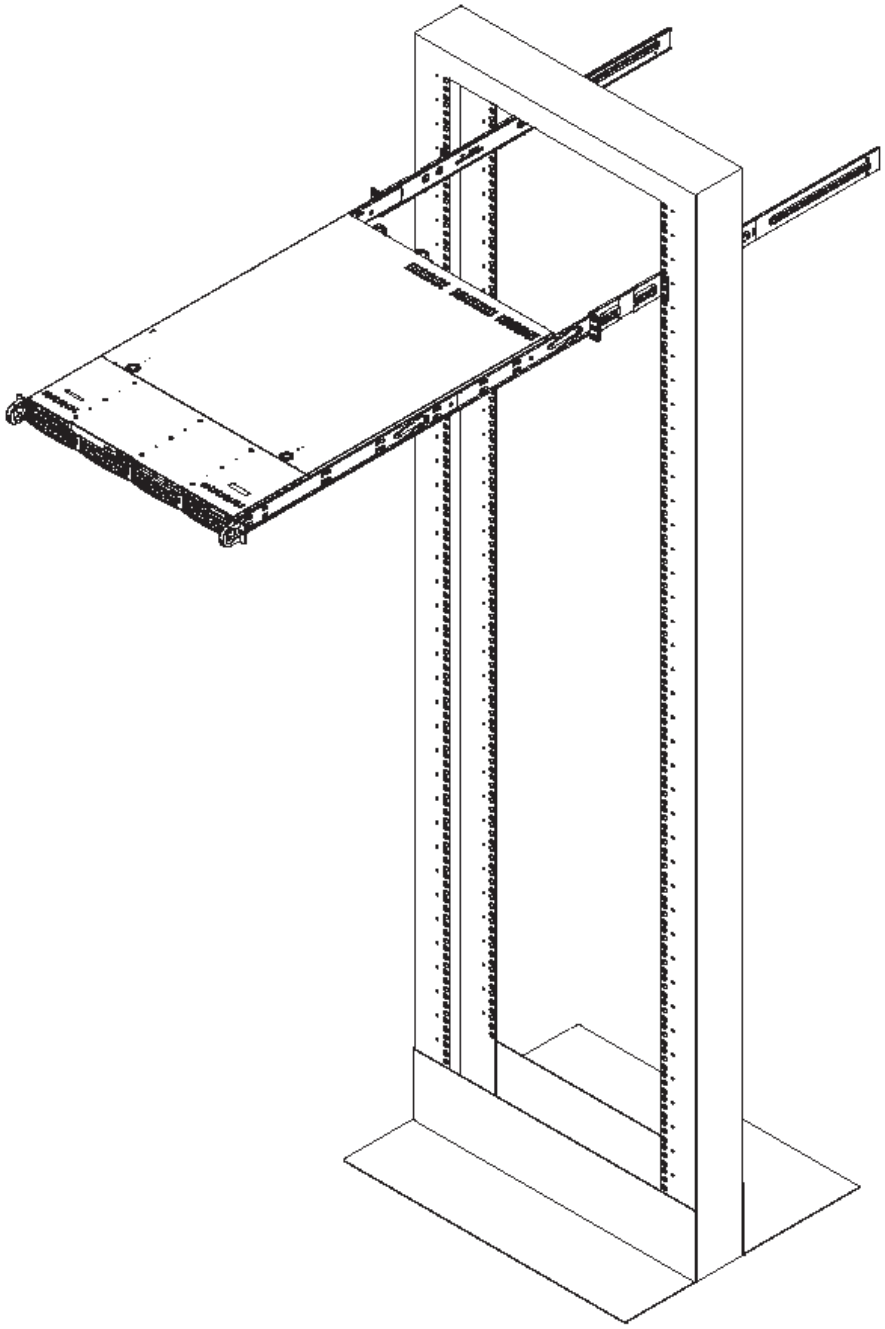
Install the Server into a Telco Rack

If you are installing the 8e6 server unit into a Telco type rack, use two L-shaped brackets on either side of the chassis (four total). First, determine how far follow the server will extend out the front of the rack. A larger chassis should be positioned to balance the weight between front and back. If a bezel is included on your server, remove it. Then attach the two front brackets to each side of the chassis, then the two rear brackets positioned with just enough space to accommodate the width of the telco rack. Finish by sliding the chassis into the rack and tightening the brackets to the rack.



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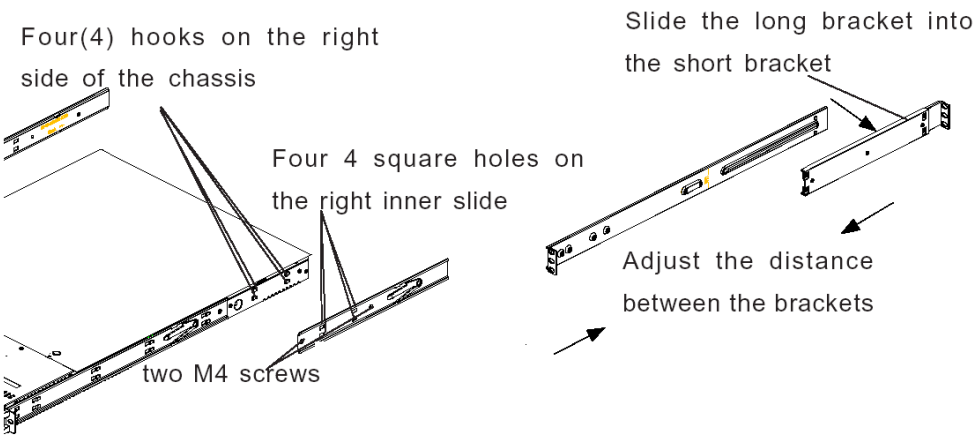
Rack Mount Instructions for SL Servers

Rack Setup Suggestions

- Determine the placement of each component in the rack before you install the rails.
- Install the heaviest server components on the bottom of the rack first, and then work up.

Install the Inner Slides

1. Locate the right inner slide, (the slide that will be used on the right side of chassis when facing the front panel of the chassis).
2. Align the four (4) square holes on the right inner slide against the hooks on the right side of the chassis as show below on the left.
3. Securely attach the slide to the chassis with two M4 flat head screws and repeat the steps 1-3 to install the left inner slide to the left side of the chassis.


Four(4) hooks on the right side of the chassis
Four 4 square holes on the right inner slide
two M4 screws
Slide the long bracket into the short bracket
Adjust the distance between the brackets

Install the Outer Slides

1. Measure the distance from the front rail of the rack to the rear rail of the rack.
2. Attach a short bracket to the rear side of the right outer slide, and a long bracket to the front side of the right outer slide as shown above on the right.
3. Adjust the short and long brackets to the proper distance so that the chassis can snugly fit into the rack.
4. Secure the slides to the cabinet with screws.
5. Repeat steps 1-4 for the left outer slide.

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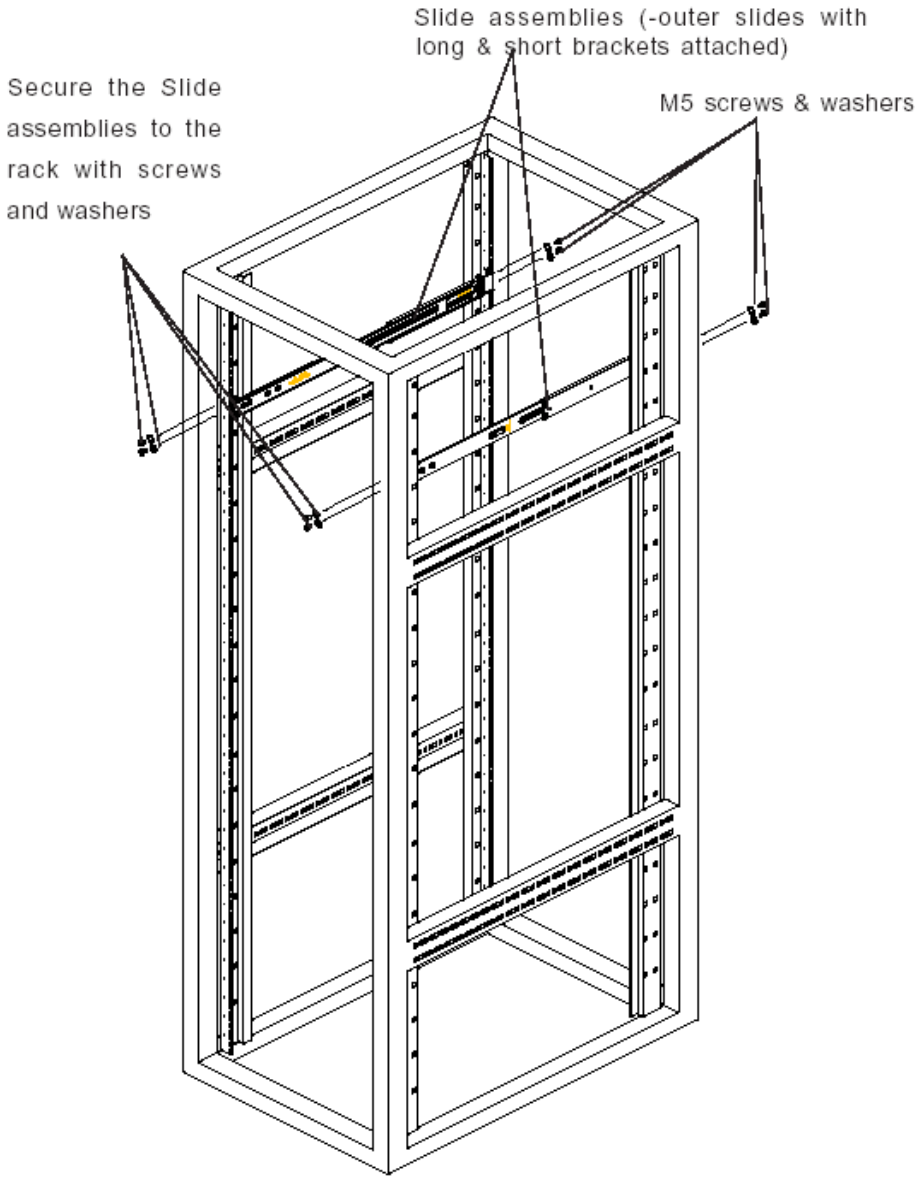
Install the Slide Assemblies to the Rack

1. After you have installed the short and long brackets to the outer slides, you are ready to install the whole slide assemblies (outer slides with short and long brackets attached) to the rack. (See the previous page.)

2. Use M5 screws and washers to secure the slide assemblies into the rack as shown below:


Slide assemblies (-outer slides with long & short brackets attached)
Secure the Slide assemblies to the rack with screws and washers
M5 screws & washers

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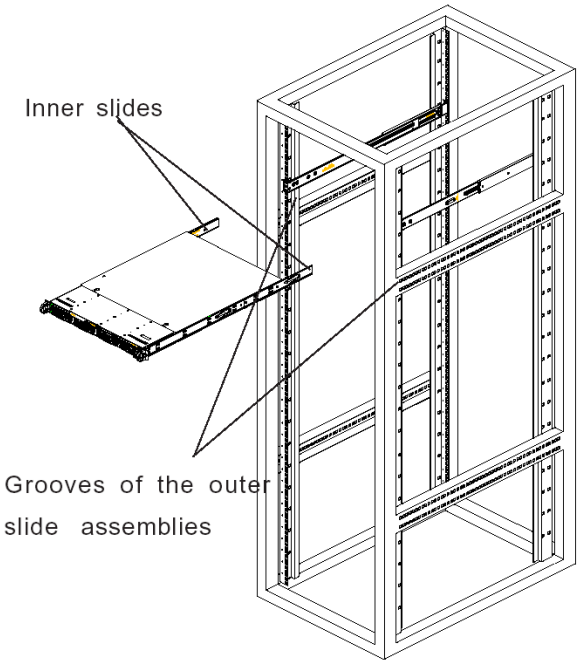
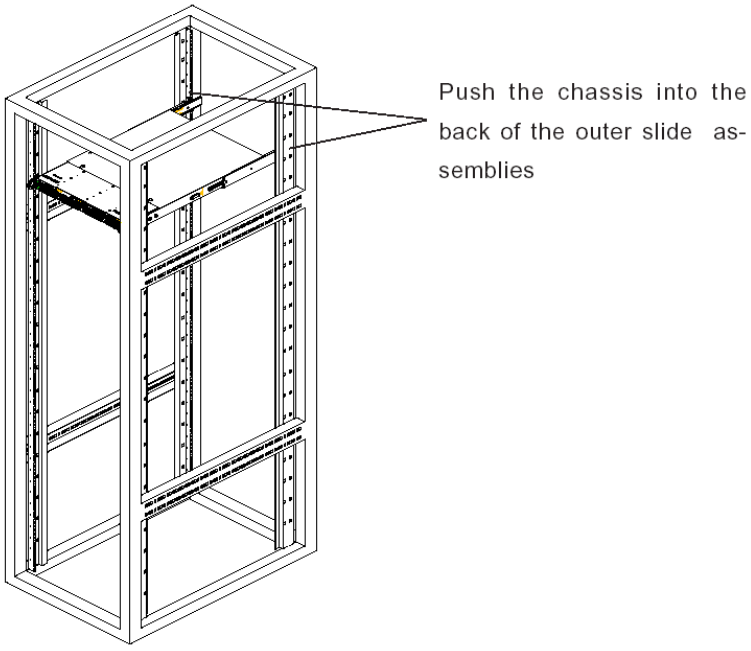
Install the Chassis into the Rack

1. Push the inner slides, which are attached to the chassis, into the grooves of the outer slide assemblies that are installed in the rack as shown below:



2. Push the chassis all the way to the back of the outer slide assemblies as shown below:



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Rack Mount Instructions for MSA Servers

Optional: Install the Chassis Rails

NOTE: *If your chassis does not come with chassis rails, please follow the procedure listed on the last page of this sub-section to install the unit directly into the rack.*

CAUTION: *Please make sure that the chassis covers and chassis rails are installed on the chassis before you install the chassis into the rack. To avoid personal injury and property damage, please carefully follow all the safety steps listed below:*

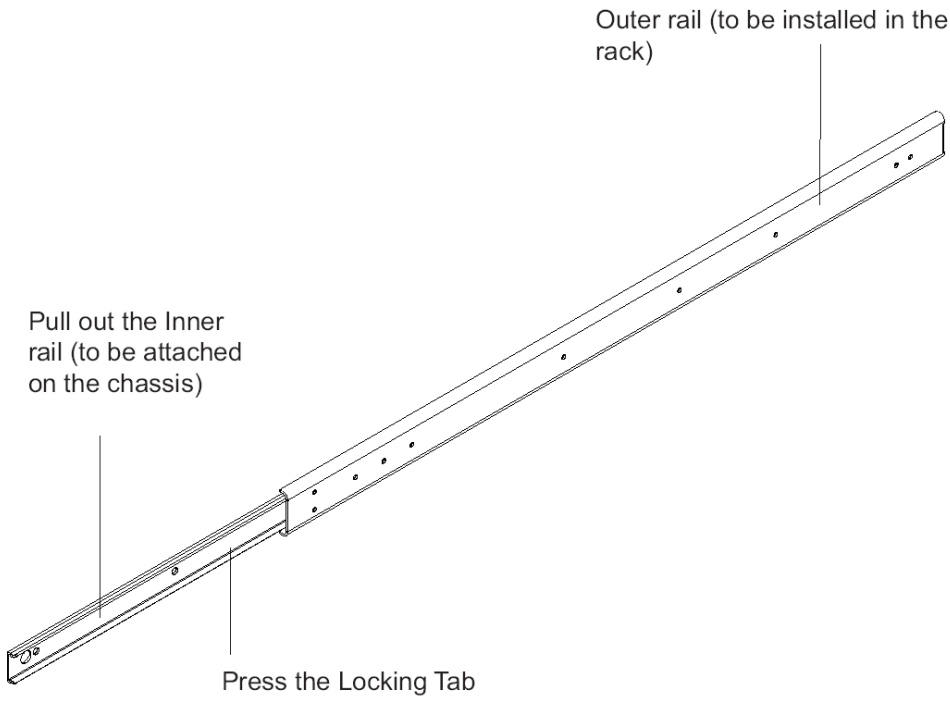
Before installing the chassis rails:

- *Close the chassis using the chassis cover.*
- *Unplug the AC power cord(s).*
- *Remove all external devices and connectors.*

1. Included in the shipping package are a pair of rail assemblies. In each rail assembly, locate the inner rail and the outer rail.

2. Press the locking tab to release the inner rail from its locking position and pull out the inner rail from the rail assembly.

NOTE: *The inner rails are to be attached to the chassis and the outer rails are to be installed in the rack.*



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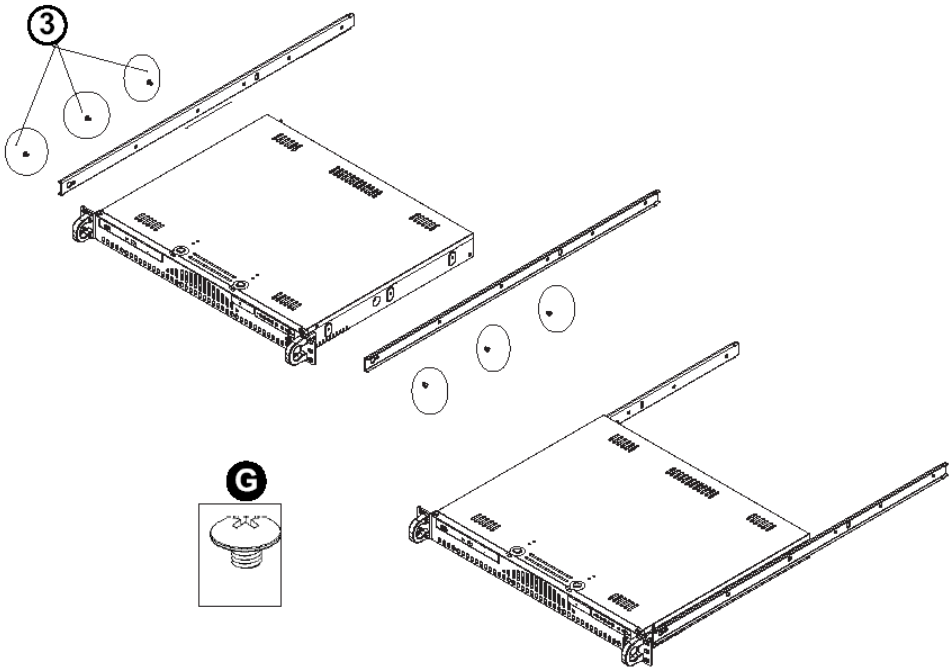
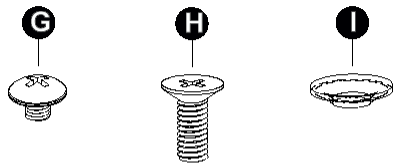
3. Locate the three holes on each side of the chassis and locate the three corresponding holes on each of the inner rail.



4. Attach an inner rail to each side of the chassis and secure the inner rail to the chassis by inserting three Type G screws through the holes on each side of the chassis and the inner rail. (See the diagram below for a description of the Type G screw.)



G. Round head M4 x 4 mm [0.157]
H. Flat head M5 x 12 mm [0.472]
I. Washer for M5

5. Repeat the above steps to install the other rail on the chassis.

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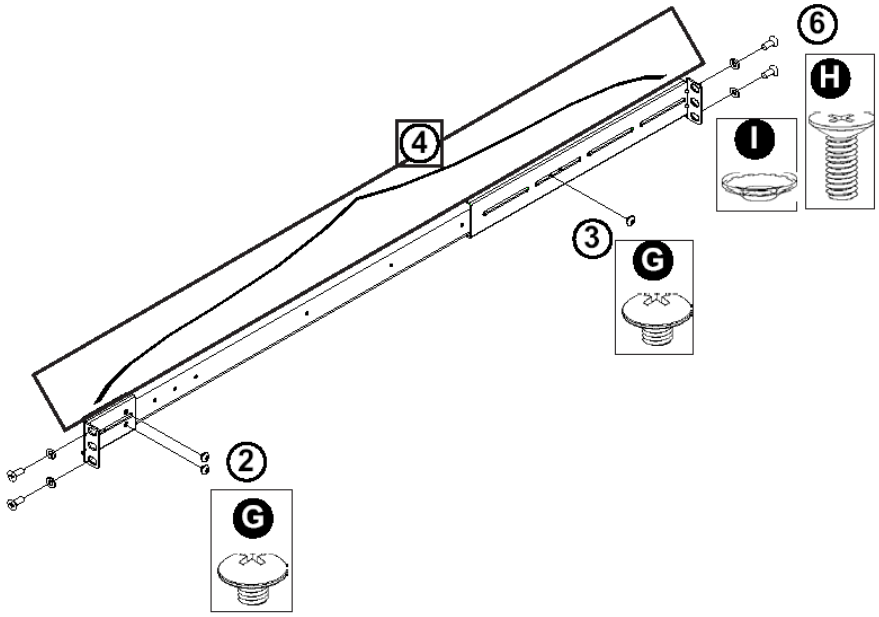
Optional: Install the Traditional UP Racks

After you have installed the inner rails on the chassis, you are ready to install the outer rails of rail assemblies to the rack.

NOTE: *The rails are designed to fit in the racks with the depth of 28" to 33".*

- *Determine the placement of each component in the rack before you install the rails.*
- *Install the heaviest server components on the bottom of the rack first, and then work up.*

1. In the package, locate a pair of front (short) and rear (long) brackets. Please note that the brackets are marked with Up/Front Arrows (front) and Up/Rear arrows (rear).
2. Secure the front (short) bracket (marked with the Up/Front arrows) to the outer rail with two Type G screws. (See the previous page for a description of the Type G screw.)
3. Attach the rear (long) bracket to the other end of the outer rail and secure the rear (long) bracket to the outer rail with a Type G screw as shown below.
4. Measure the depth of your rack and adjust the length of the rails accordingly.
5. Repeat the same steps to install the other outer rail on the chassis.
6. Secure both outer rail assemblies to the rack with Type H screws and Type I washers. (See the previous page for descriptions of Type H and Type I hardware components.)



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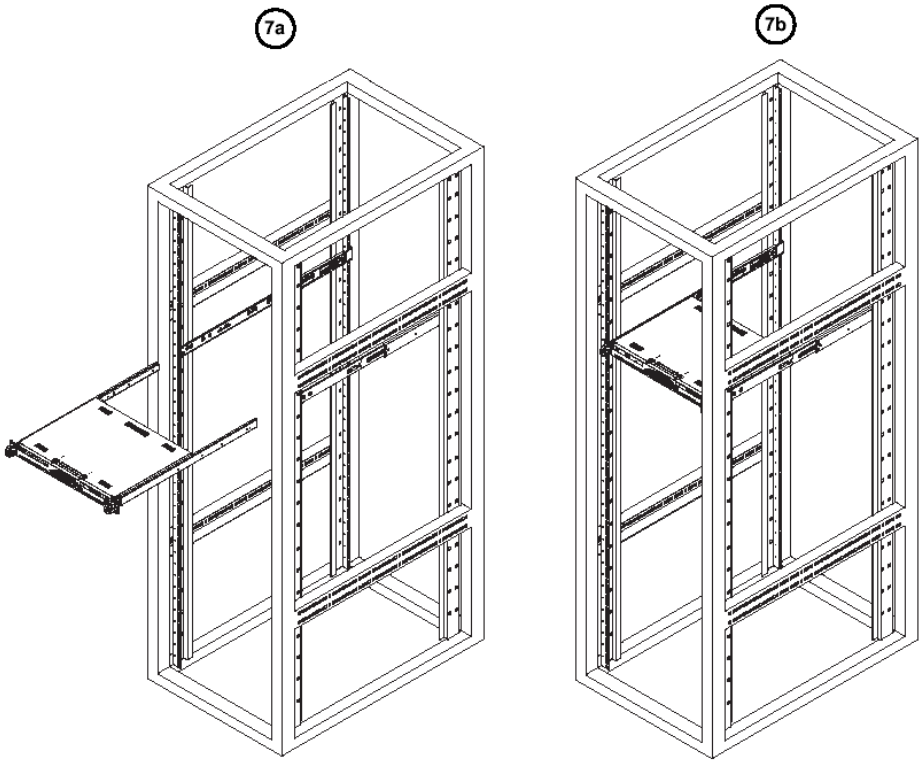
7. Slide the chassis into the rack as shown below.

NOTE: *The chassis may not slide into the rack smoothly or easily when installed the first time. Some adjustment to the slide assemblies might be needed for easy installation.*

8. You will need to release the safety taps on both sides of the chassis in order to completely remove the chassis out of the rack.



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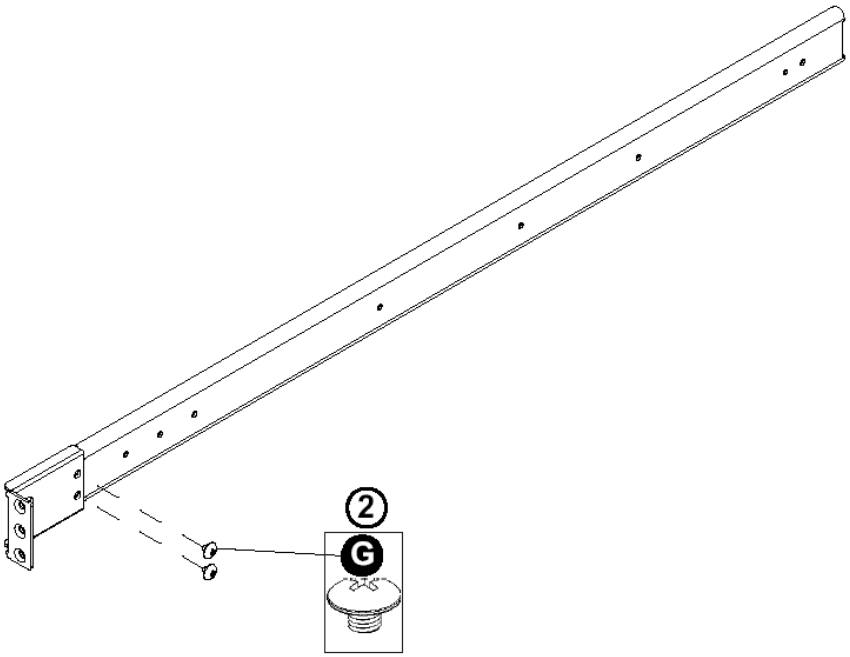
Optional: Install the Open Racks

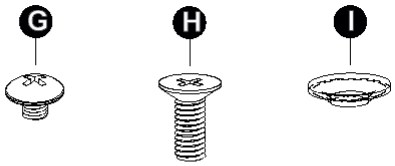
After you have installed the inner rails on the chassis, you are ready to install the outer rails of rail assemblies to the rack.

NOTE: *The rails are designed to fit in the racks with the depth of 28" to 33".*

- *Determine the placement of each component in the rack before you install the rails.*
- *Install the heaviest server components on the bottom of the rack first, and then work up.*

1. In the package, locate a pair of front (short) and rear (long) brackets. Please note that the brackets are marked with Up/Front Arrows (front) and Up/Rear arrows (rear).
2. Secure the front (short) bracket (marked with the Up/Front arrows) to the outer rail with two Type G screws as shown below.





G. Round head M4 x 4 mm [0.157]
H. Flat head M5 x 12 mm [0.472]
I. Washer for M5

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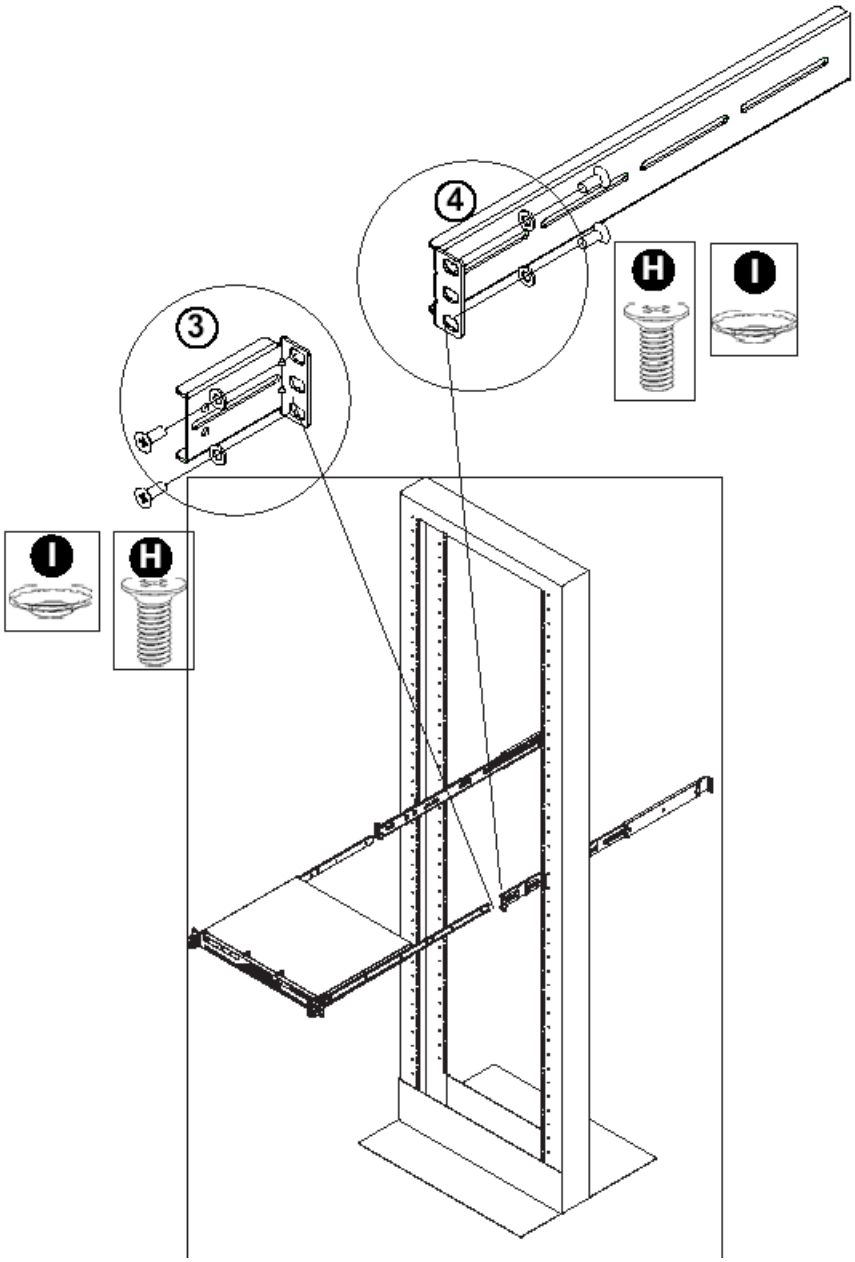
3. Attach the front (short) bracket to the front end of the rack, and secure it to the rack with two Type H screws and Type I washers as shown below. (See the previous page for descriptions of Type H and Type I hardware components.)

4. Attach the rear (long) bracket to the rear end of the rack, and secure it to the rack with two Type H screws and Type I washers as shown below. Repeat the same steps to install the other outer rail to the other side of rack.



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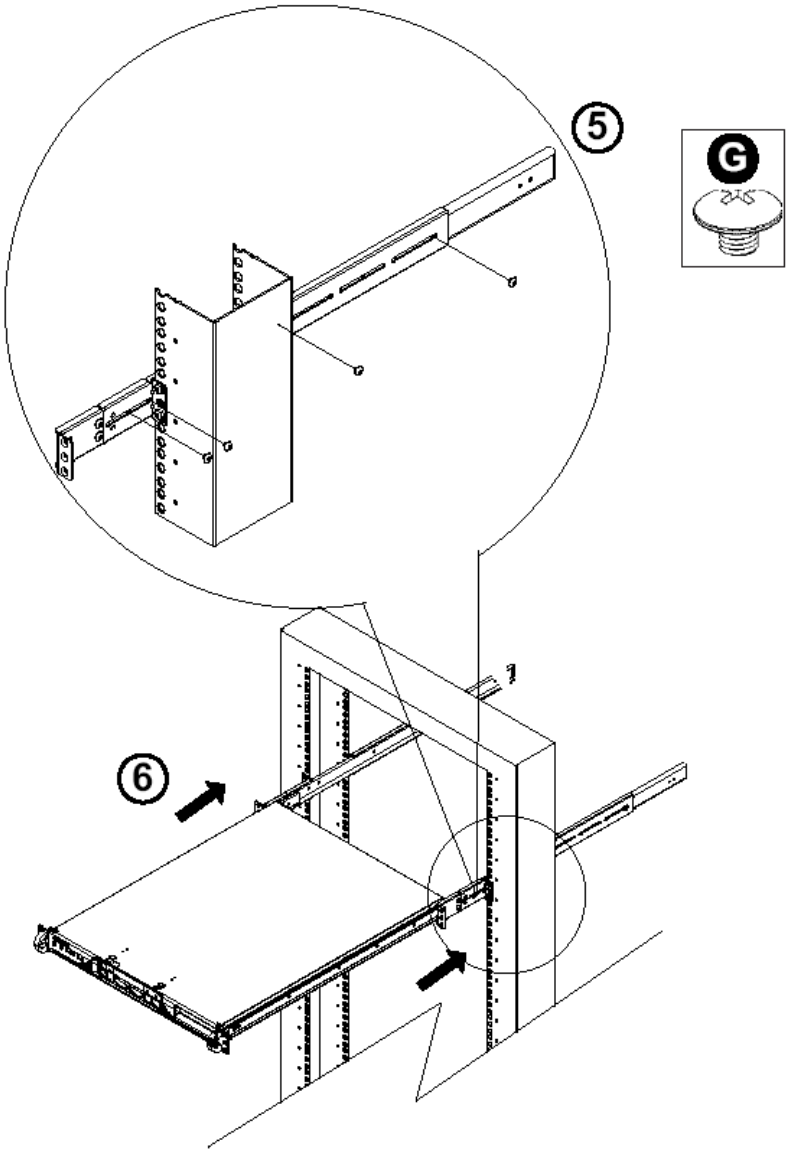
5. Measure the depth of your rack and adjust the length of the rails accordingly. Then, secure the rails to the chassis with Type G screws.

6. Slide the inner rails which are attached to the chassis into the outer rails on the rack.



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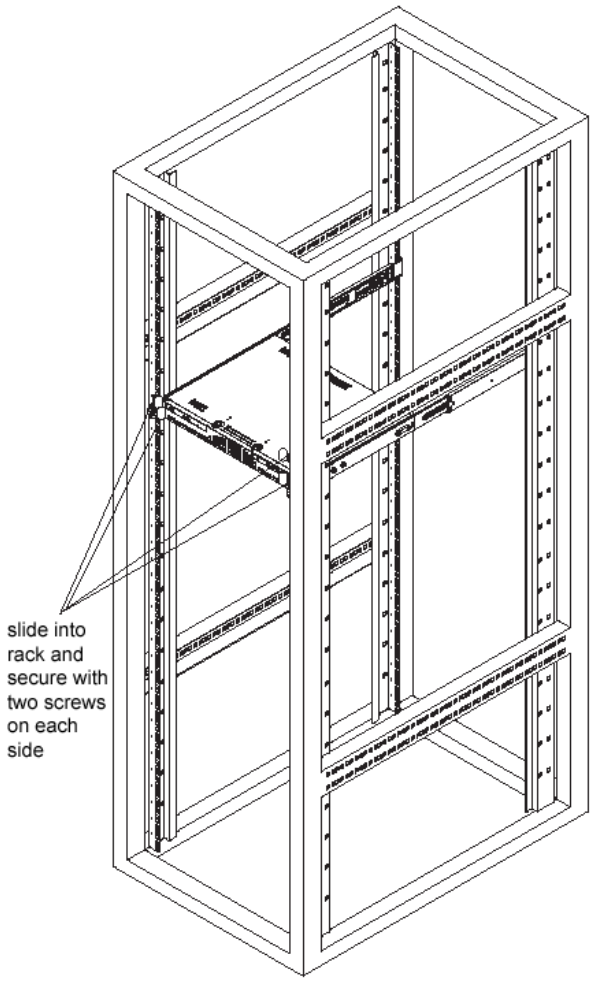
Install the Chassis into the Rack

CAUTION: *Before installing the chassis into the rack:*

- *Make sure that the rack is securely anchored onto an unmovable surface or structure before installing the chassis into the rack.*
- *Unplug power cord(s) of the rack before installing the chassis into the rack.*
- *Make sure that the system is adequately supported. Make sure that all the components are securely fastened to the chassis to prevent components falling off from the chassis.*
- *The rack assembly should be properly grounded to avoid electric shock.*
- *The rack assembly must provide sufficient airflow to the chassis for proper cooling.*
- *Please make sure that all components and all chassis covers are properly installed in the chassis before you install the chassis into the racks; otherwise, out-of-warranty damage may occur.*

Slide the chassis into the rack and secure it with two screws on each side of the rack as shown in the picture.



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Install the SL or HL Server Bezel

After rack mounting an SL or HL server, the bezel should be installed on the front end of the chassis.

NOTE: *This portion of the installation process requires you to unpack the bezel. The bezel has been packaged separately from the unit to prevent damage during shipping.*

A. Hold the bezel upright and facing towards you (Fig. 1).

Fig. 1 - Front of bezel

B. Note that each end of the bezel contains two raised bumps (Fig. 2).

Fig. 2 - Bumps on right end of bezel

Fig. 3 - Grooves in right U-shaped handle

C. Align these bumps along the two parallel grooves inside each U-shaped aluminum chassis handle affixed to the front end of the chassis rail (Fig. 3).

D. Push the bezel towards the front of the chassis, inserting the USB B-type plug on the back of the bezel (Fig. 4) into the USB port on the chassis.

Fig. 4 - Section of back of bezel with USB B-type plug

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Check the Power Supply

This server is equipped with a universal power supply that handles 100-240 V, 50/60 Hz. A standard power cord interface (IEC 950) facilitates power plugs that are suitable for most European, North American, and Pacific Rim countries.

Power Supply Precautions

Warning:

- Use a regulating uninterruptible power supply (UPS) to protect the server from power surges, voltage spikes and to keep the server operating in case of a power failure.
- In geographic regions that are susceptible to electrical storms, 8e6 highly recommends plugging the AC power cord for the server into a surge suppressor.
- Use appropriately rated extension cords or power strips only.
- Allow power supply units to cool before touching them.

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General Safety Information

Server Operation and Maintenance Precautions

Warning:

Observe the following safety precautions during server operation and maintenance:

WARNING: *If the server is used in a manner not specified by the manufacturer, the protection provided by the server may be impaired.*

WARNING: *8e6 Technologies is not responsible for regulatory compliance of any server that has been modified. Altering the server's enclosure in any way other than the installation operations specified in this document may invalidate the server's safety certifications.*

CAUTION: *Never pile books, papers, or other objects on the chassis, drop it, or subject it to pressure in any other way. The internal circuits can be damaged, and the battery may be crushed or punctured. Besides irreparable damage to the unit, the result could be dangerous heat and even fire.*

CAUTION: *There are no user-serviceable components inside the chassis. The chassis should only be opened by qualified service personnel. Never disassemble, tamper with, or attempt to repair the server. Doing so may cause smoke, fire, electrical shock, serious physical injury, or death.*

WARNING: *In HL servers, multiple sources of supply exist. Be sure to disconnect all sources before servicing.*

- Do not insert objects through openings in the chassis. Doing so could result in a short circuit that might cause a fire or an electrical shock.
- Do not operate the server in an explosive atmosphere, in the presence of flammable gases.
- To ensure proper cooling, always operate the server with its covers in place. Do not block any openings on the chassis. Do not place the server near a heater.
- Always exit the software application properly before turning off the server to ensure data integrity.

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- Do not expose the server to rain or use near water. If liquids of any kind should leak into the chassis, power down the server, unplug it, and contact 8e6 Technologies technical support.
- Disconnect power from the server before cleaning the unit. Do not use liquid or aerosol cleaners.

AC Power Cord and Cable Precautions

Warning:

- The AC power cord for the server must be plugged into a grounded, power outlet.
- Do not modify or use a supplied AC power cord if it is not the exact type required in the region where the server will be installed and used. Replace the cord with the correct type.
- Route the AC power cord and cables away from moving parts and foot traffic.
- Do not allow anything to rest on the AC power cord and cables.
- Never use the server if the AC power cord has been damaged.
- Always unplug the AC power cord before removing the unit for servicing.

Electrical Safety Precautions

Warning:

Heed the following safety precautions to protect yourself from harm and the server from damage:

CAUTION: *Dangerous voltages associated with the 100-240 V AC power supply are present inside the unit. To avoid injury or electrical shock, do not touch exposed connections or components while the power is on.*

- To prevent damage to the server, read the information in this document for selection of the proper input voltage.
- Do not wear rings or wristwatches when troubleshooting electrical circuits.
- To avoid fire hazard, use only the specified fuse(s) with the correct type number, voltage, and current ratings. Only qualified service personnel should replace fuses.
- Qualified service personnel should be properly grounded when servicing the unit.
- Qualified service personnel should perform a safety check after any service is performed.

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Motherboard Battery Precautions

Caution:

The battery on the motherboard should not be replaced without following instructions provided by the manufacturer. Only qualified service personnel should replace batteries.

The battery contains energy and, as with all batteries, a malfunction can cause heat, smoke, or fire, release toxic materials, or cause burns. Do not disassemble, puncture, drop, crush, bend, deform, submerge or modify the battery. Do not incinerate or expose to heat above 140°F (60°C).

There is a danger of explosion if the battery on the motherboard is installed upside down, which will reverse its polarities.

CAUTION: DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISPOSE OF THE USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS.

ATTENTION: IL Y A DANGER D'EXPLOSION S'IL Y A REPLACEMENT INCORRECT DE LA BATTERIE, REMPLACER UNIQUEMENT AVEC UNE BATTERIE DU MÊME TYPE OU D'UN TYPE ÉQUIVALENT RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU REBUT LES BATTERIES USAGÉES CONFORMÊMENT AUX INSTRUCTIONS DU FABRICANT.

WARNING: *Users in Member States should consult Article 20 of Directive 2006/66/EC of the European Parliament and of the Council before disposing the motherboard battery.*

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INSTALL THE SERVER

Step 1: Initial Setup Procedures

This step requires you to link the workstation to the Threat Analysis Reporter. You have the option of using the text-based Quick Start setup procedures described in Step 1A, or, if you have an SL or HL unit, the LCD panel setup procedures described in Step 1B.

Quick Start Setup Requirements

- Threat Analysis Reporter unit with AC power cord
- either one of two options:
  - PC monitor with AC power cord and keyboard, or
  - PC laptop computer with HyperTerminal and serial port cable (and USB DB9 serial adapter, if there is no serial port on your laptop)

NOTE: *Before installing the Threat Analysis Reporter server, the R3000 server to be used with this server must already be installed and running software version 2.0.10 or higher.*

Go to Step 1A to execute Quick Start Setup Procedures.

LCD Panel Setup Requirements (for SL and HL Units)

The following hardware is required for LCD panel setup procedures, if using an SL or HL unit:

- Threat Analysis Reporter SL or HL with AC power cord(s)
- Bezel with LCD panel mounted on chassis front

Go to Step 1B to execute LCD Panel Setup Procedures.

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Step 1A: Quick Start Setup Procedures

Link the Workstation to the Threat Analysis Reporter

Monitor and Keyboard Setup

A. Connect the PC monitor and keyboard cables to the rear of the chassis (see Fig. 1 for an SL or MSA unit, and Fig. 2 for an HL unit).

B. Turn on the PC monitor.

C. Power on the Threat Analysis Reporter by dropping down the face plate and pressing the large button at the right of the front panel (see Fig. 3 for an SL unit, Fig. 4 for an MSA unit, and Fig. 5 for an HL unit).

Once the Threat Analysis Reporter is powered up, proceed to the Quick Start menu instructions.

Serial Console Setup

A. Using the serial port cable (and USB DB9 serial adapter, if necessary), connect the laptop to the rear of the chassis (see Fig. 1 for an SL or MSA unit, and Fig. 2 for an HL unit).

B. Power on the laptop.

C. Power on the Threat Analysis Reporter by pressing the large button on the front panel (see Fig. 3 for an SL unit, Fig. 4 for an MSA unit, and Fig. 5 for an HL unit).

Fig. 1 - Portion of SL and MSA chassis rear

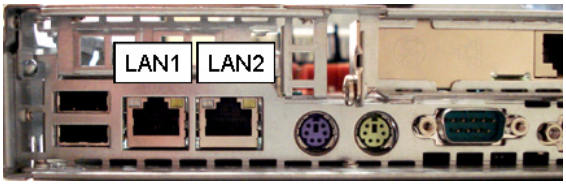

Fig. 2 - Portion of HL chassis rear

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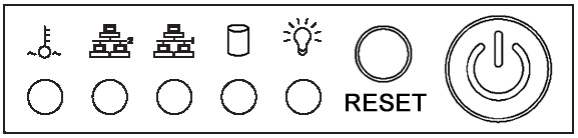

Fig. 3 - Diagram of SL chassis front panel, power button at far right

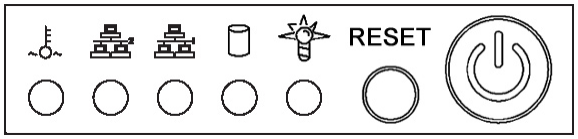

Fig. 4 - Diagram of MSA chassis front panel, power button at far right

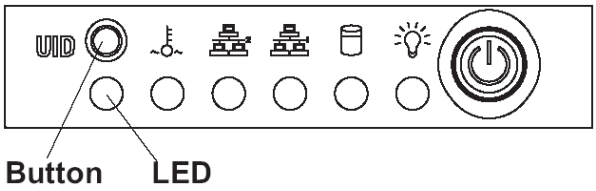

Fig. 5 - Diagram of HL chassis front panel, power button at far right

Once the Threat Analysis Reporter is powered up, proceed to the instructions for Hyper-Terminal Setup Procedures.

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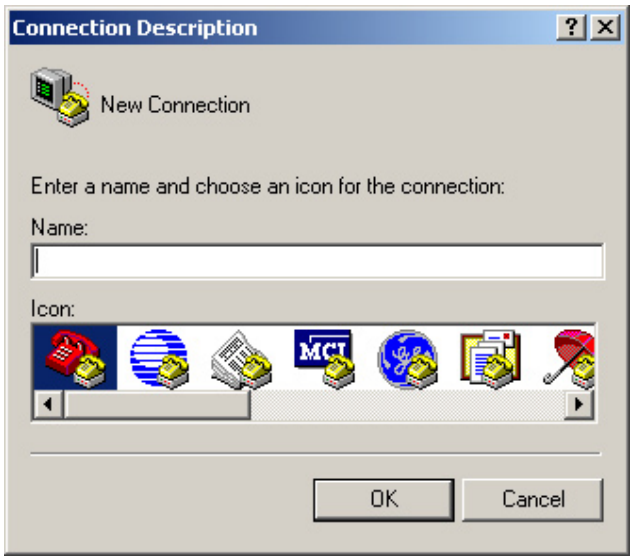
HyperTerminal Setup Procedures

If using a serial console, follow these procedures to create a HyperTerminal session on the serial console.

A. Launch HyperTerminal by going to Start > Programs > Accessories > Communications > HyperTerminal:



B. In the Connection Description dialog box, enter any session **Name**, and then click **OK** to open the Connect To dialog box:

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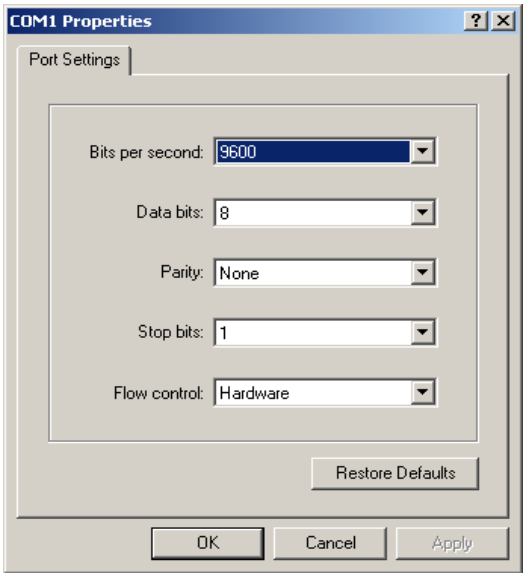
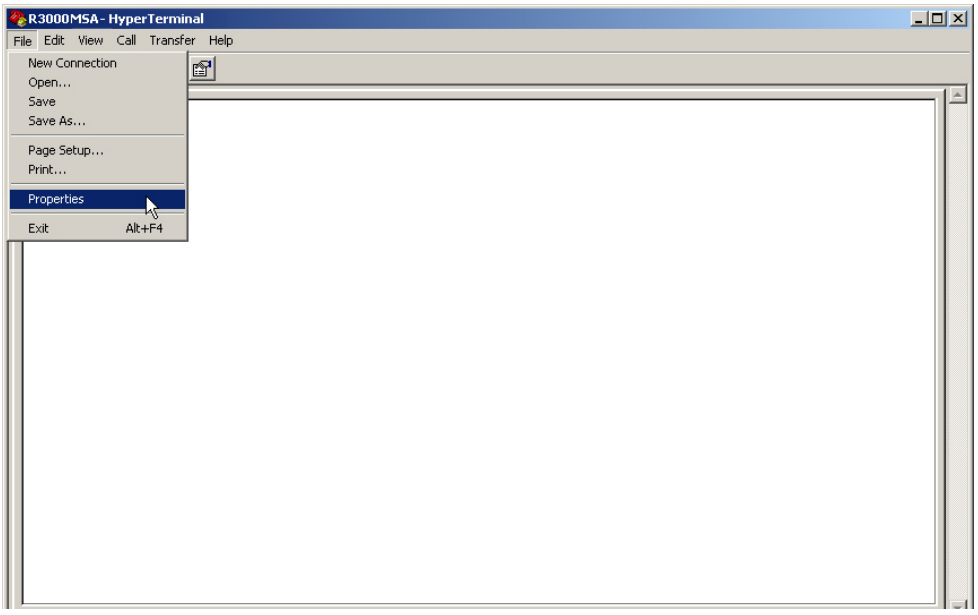
C. At the **Connect using** field, select the COM port assigned to the serial port on the laptop (probably “COM1”), and then click **OK** to open the Properties dialog box, displaying the Port Settings tab:



D. Specify the following session settings:

- Bits per second: 9600
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: Hardware

E. Click **OK** to connect to the HyperTerminal session:



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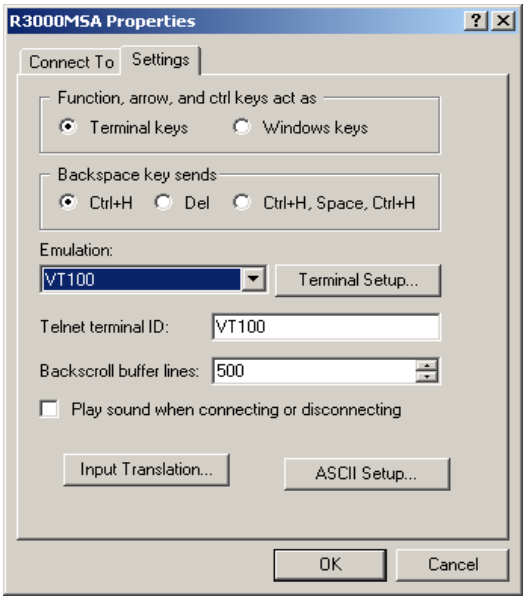
F. In the HyperTerminal session window, go to File > Properties to open the Properties dialog box, displaying the Connect To and Settings tabs:



G. Click the Settings tab, and at the **Emulation** menu select “VT100”.

H. Click **OK** to close the dialog box, and to go to the login screen.

NOTE: *If using a HyperTerminal session, the login screen will display with black text on a white background.*

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Quick Start menu instructions

For these Quick Start setup procedures, you will need your network administrator to provide you the LAN 1 and LAN 2 IP address and subnet mask, gateway IP address, DNS server IP address(es), host name of the server, and IP address for the Web interface (if using a NAT device).

Login screen, password prompts

The login screen displays after powering on the Threat Analysis Reporter unit using a monitor and keyboard, or after creating a HyperTerminal session.

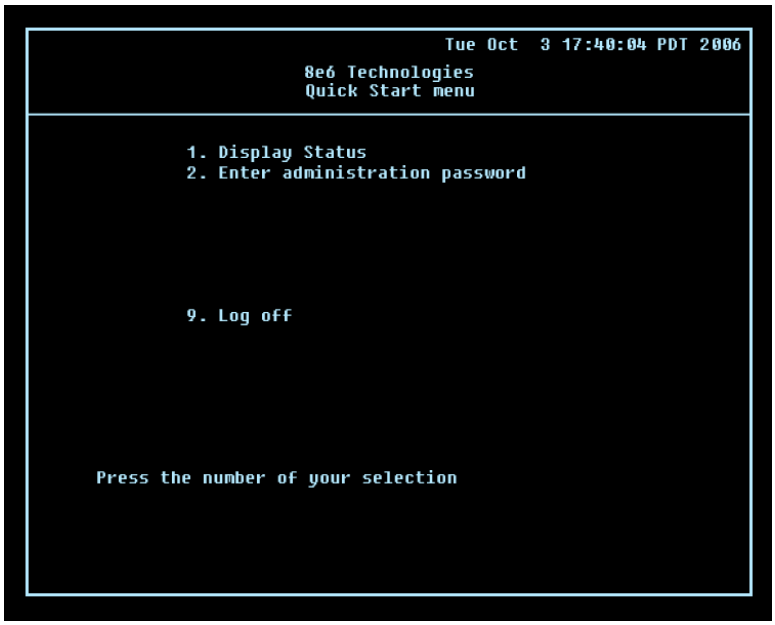
NOTE: *If the screensaver currently displays on your screen, press the* ***Enter*** *key to display the login screen.*

A. At the **login** prompt, type in ***menu***.

B. Press the **Enter** key to display the Password prompt.

C. At the **Password** prompt, type in the following: ***#s3tup#r3k***

D. Press **Enter** to display the Quick Start menu screen:



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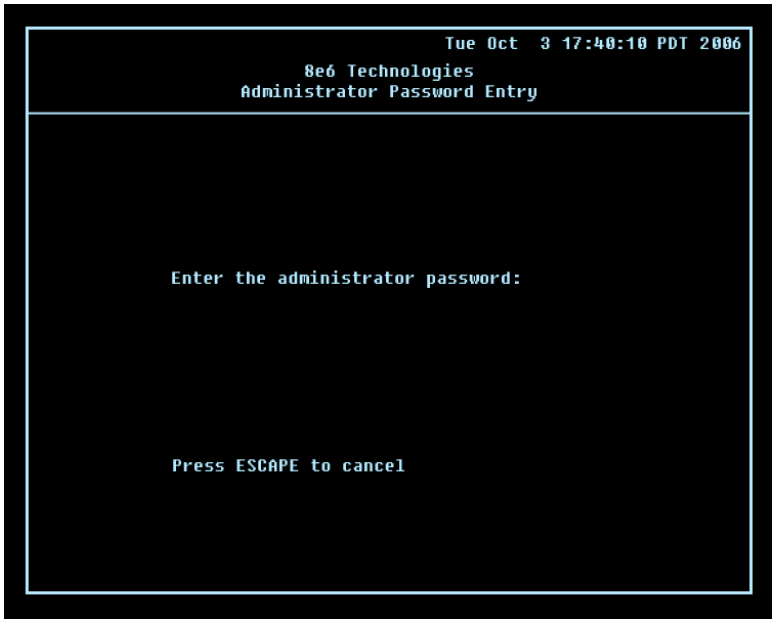
E. At the **Press the number of your selection** prompt, press **2** to display the Administrator Password Entry screen:



F. At the **Enter the administrator password** prompt, re-enter your password: ***#s3tup#r3k***

G. Press **Enter** to display the Administration menu where you can begin the Quick Start setup process using the configuration screens:

Tue Oct 3 17:40:46 PDT 2006
8e6 Technologies
Quick Start menu
1. Display Status
2. Quick Start setup
3. Configure network interface ETH0
4. Configure network interface ETH1
5. Configure default gateway
6. Configure DNS servers
7. Configure host name
8. Time Zone regional setting
A. Configure setup wizard user
B. Reboot system
C. Change Quick Start password
X. Exit administration menu
Press the number of your selection

H. At the **Press the number of your selection** prompt, press **2** to select the “Quick Start setup” process. This process takes you to the Configure Network Interface screen.

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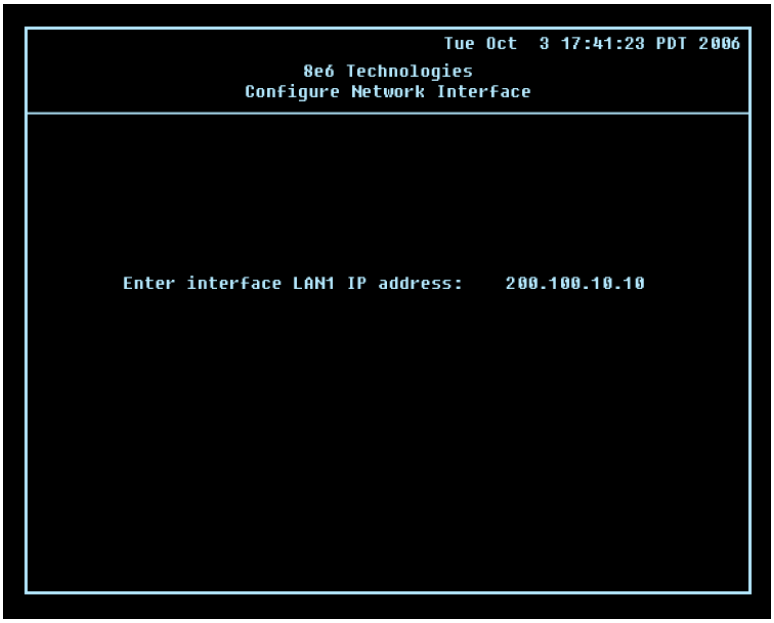
Configure Network Interface screen



A. At the **Enter interface lan1 IP address** field, enter the IP address for the LAN 1 interface, and then press **Enter** to go to the next screen.

B. At the **Enter interface lan1 netmask** field, enter the subnet mask for the LAN 1 interface using the dotted decimals notation format. Press **Enter** to display the confirmation prompt.

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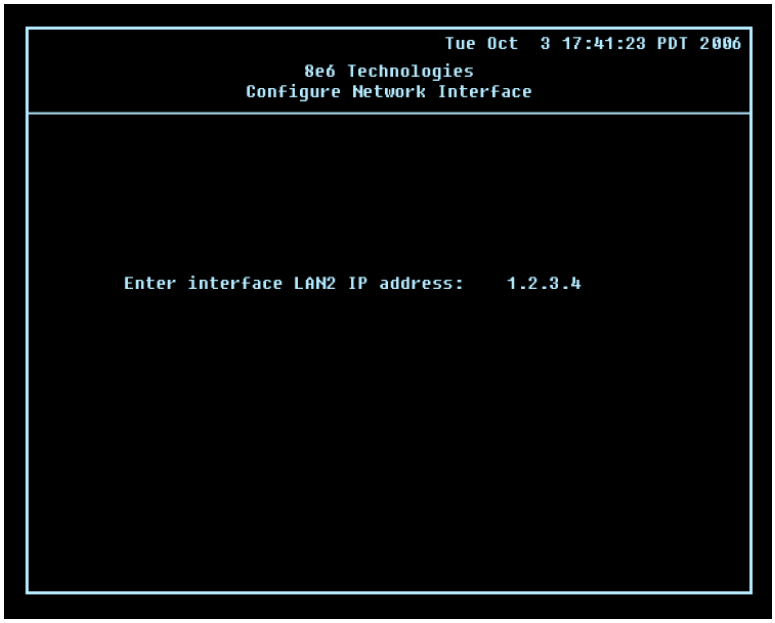
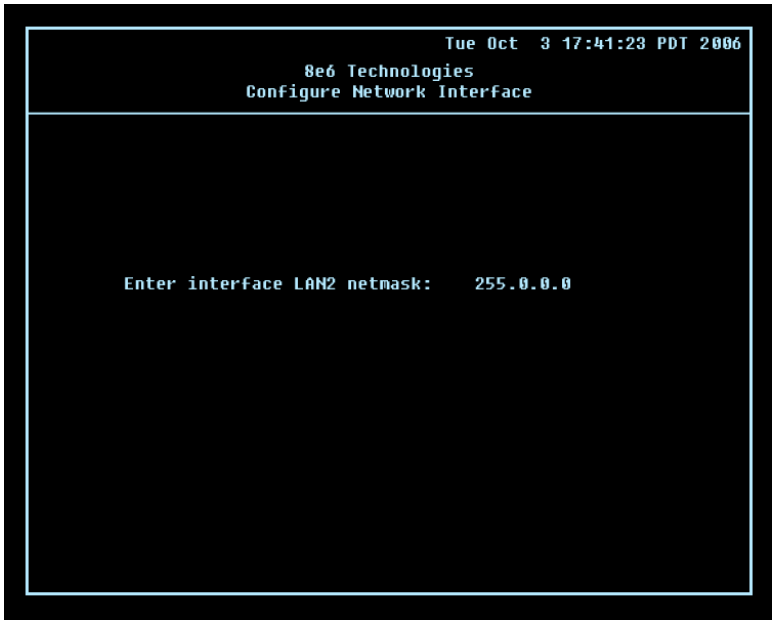
C. Press **Y** for “Yes” to confirm and save your entries for the LAN1 interface, and to go to the next screen.



D. At the **Enter interface lan2 IP address** field, enter the IP address for the LAN 2 interface, and then press **Enter** to go to the next screen.



E. At the **Enter interface lan2 netmask** field, using the dotted decimals notation format, enter the subnet mask for the LAN 2 interface. Press **Enter** to display the confirmation prompt.

F. Press **Y** for “Yes” to confirm and save your entries for the LAN 2 interface, and to go to the Configure default gateway screen.

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Configure default gateway screen

A. At the **Enter default gateway IP** field, enter the IP address for the default gateway. Press **Enter** to display the confirmation prompt.

B. Press **Y** for "Yes" to confirm and save your entry for the gateway IP address, and to go to the Configure Domain Name Servers screen.

Configure Domain Name Servers screen

A. At the **Enter first DNS server IP** field, enter the IP address for the primary Domain Name Server. Press **Enter** to go to the next screen.

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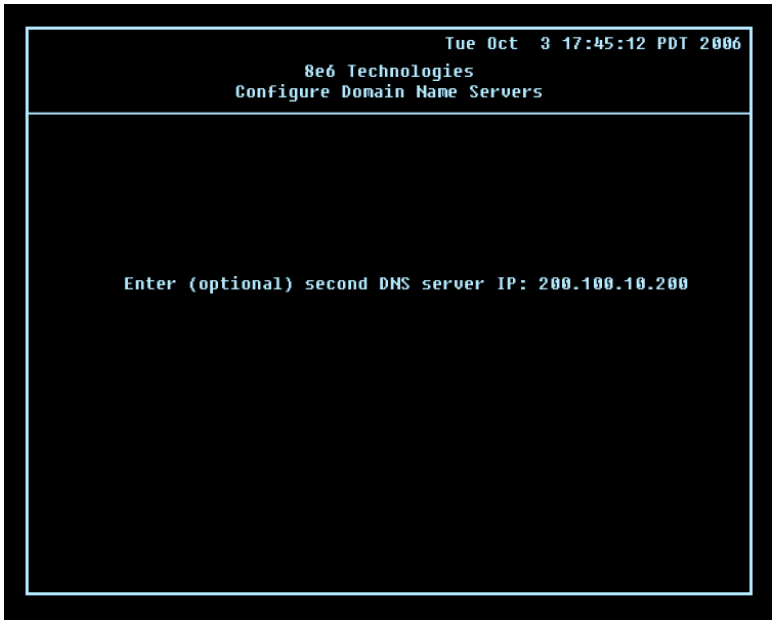
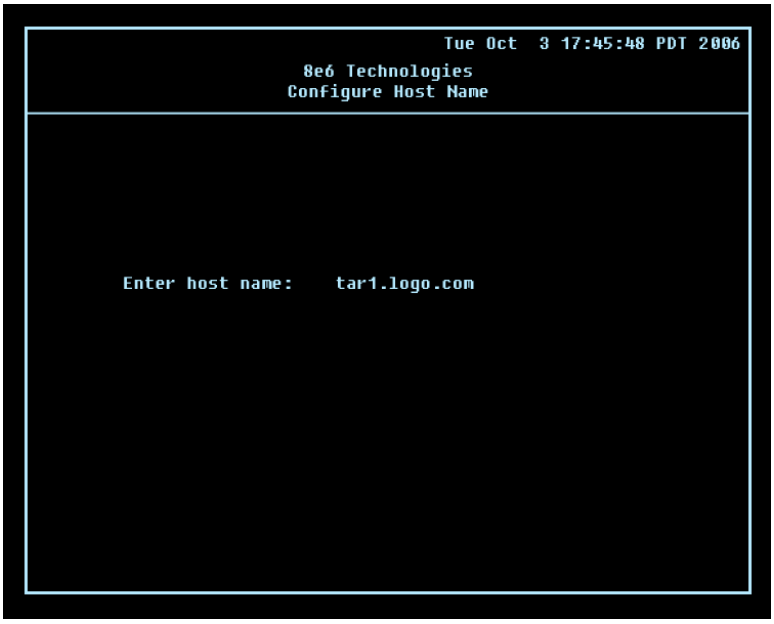

Tue Oct 3 17:45:12 PDT 2006
8e6 Technologies
Configure Domain Name Servers
Enter (optional) second DNS server IP: 200.100.10.200

B. At the **Enter (optional) second DNS server IP** field, if you have a secondary Domain Name Server you wish to use, enter the IP address for that server. Press **Enter** to display the confirmation prompt.

C. Press **Y** for "Yes" to confirm and save your entries for the domain name servers, and to go to the Configure Host Name screen.

Configure Host Name screen



A. At the **Enter host name** field, enter the host name of the server. Press **Enter** to display the confirmation prompt.

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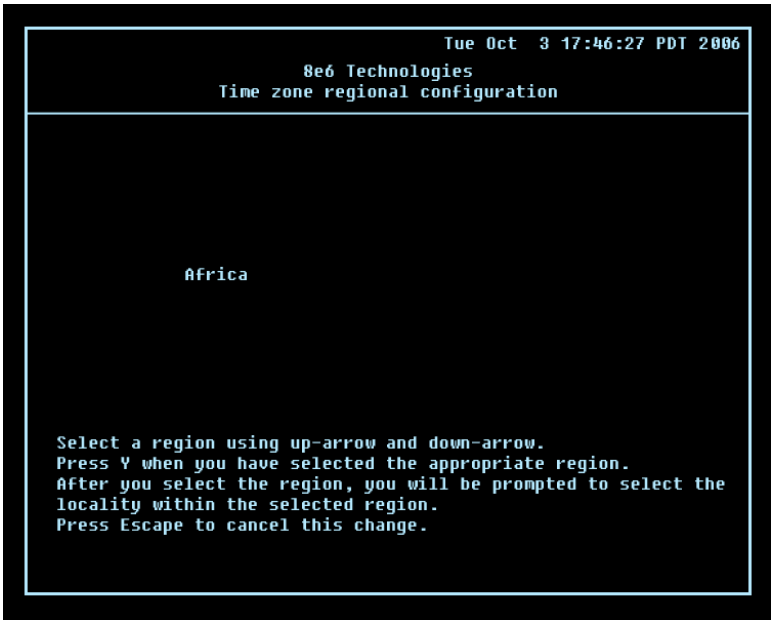
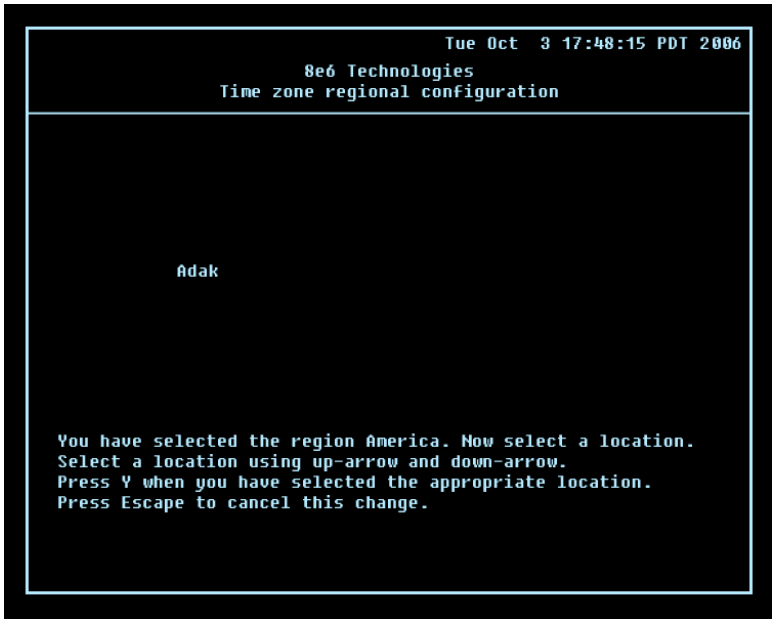
B. Press **Y** for “Yes” to confirm and save your entry for the host name, and to go to the Time zone regional configuration screen.

Time zone regional configuration screen


Tue Oct 3 17:46:27 PDT 2006
8e6 Technologies
Time zone regional configuration
Africa
Select a region using up-arrow and down-arrow.
Press Y when you have selected the appropriate region.
After you select the region, you will be prompted to select the
locality within the selected region.
Press Escape to cancel this change.

A. Use the up and down arrows in your keyboard to select your region. After selecting your locality, press **Y** for “Yes” to confirm and save your regional selection, and to go to the next screen:


Tue Oct 3 17:48:15 PDT 2006
8e6 Technologies
Time zone regional configuration
Adak
You have selected the region America. Now select a location.
Select a location using up-arrow and down-arrow.
Press Y when you have selected the appropriate location.
Press Escape to cancel this change.

B. Use the up and down arrows in your keyboard to select your region. After selecting your locality, press **Y** for “Yes” to confirm and save your regional selection, and to go to the Configure Wizard user screen.

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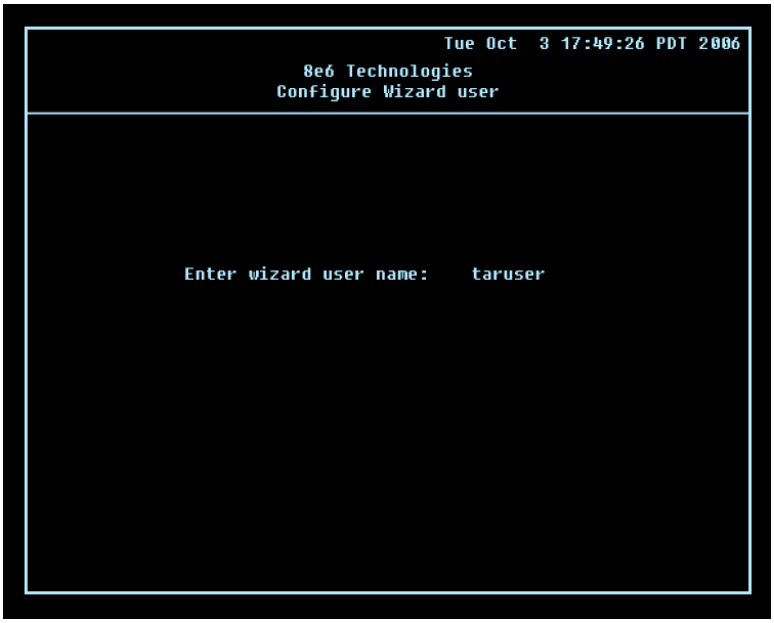
Configure Wizard user screen



A. At the **Enter wizard user name** field, enter the username that will be used to access the setup wizard in the Threat Analysis Reporter interface. Press **Enter** to display the confirmation prompt.

B. Press **Y** for “Yes” to confirm and save your entry and to go to the next screen.

C. At the **Enter wizard password** field, enter the password that will be used to access the setup wizard in the Threat Analysis Reporter interface. Press **Y** for “Yes” to confirm and save your entry and to go to the Quick Start Setup confirmation screen.

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Quick Start Setup confirmation screen

Tue Oct 3 17:51:12 PDT 2006
8e6 Technologies
Quick Start Setup confirmation
Do you want to commit the changes made on the previous screens?
Enter Y to commit, any other key to abort.

Press **Y** for “Yes” to save all your Quick Start setup entries and to return to the Administration menu.

NOTE: *When saving your entries, there may be a 4-10 second delay before the Administration menu displays.*

Administration menu

After making all entries using the Quick Start setup process, you will return to the Administration menu. Press **X** to return to the Quick Start menu screen. Or, to verify the status of the Threat Analysis Reporter and review the entries you made using the Quick Start setup process, press **1** to view the System Status screen.

NOTE: *Changing your password using option C, “Change Quick Start password”, will change the password for the console menu but not the Threat Analysis Reporter console login screen.*

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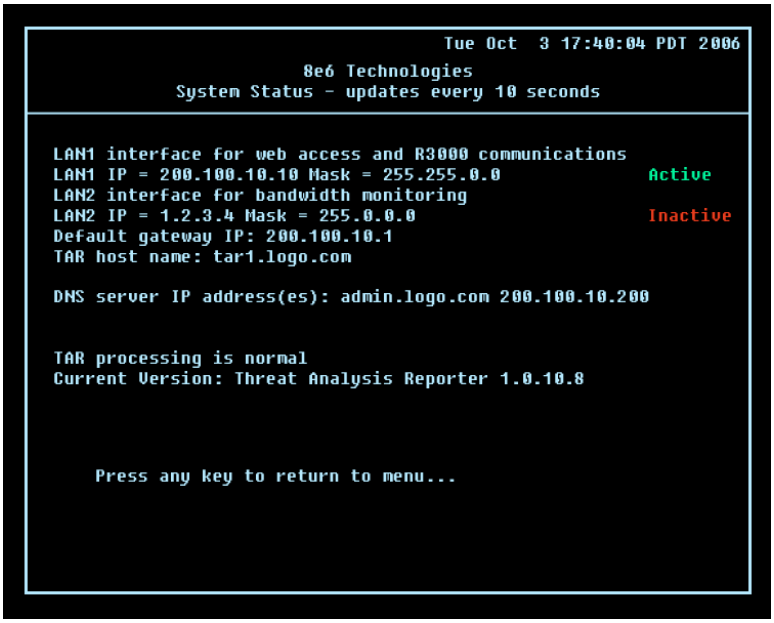
System Status screen


Tue Oct 3 17:40:04 PDT 2006
8e6 Technologies
System Status - updates every 10 seconds
LAN1 interface for web access and R3000 communications
LAN1 IP = 200.100.10.10 Mask = 255.255.0.0
Active
LAN2 interface for bandwidth monitoring
LAN2 IP = 1.2.3.4 Mask = 255.0.0.0
Inactive
Default gateway IP: 200.100.10.1
TAR host name: tar1.logo.com
DNS server IP address(es): admin.logo.com 200.100.10.200
TAR processing is normal
Current Version: Threat Analysis Reporter 1.0.10.8
Press any key to return to menu...

The System Status screen contains the following information:

- **lan1 interface for web access and R3000 communications: LAN1 IP** address and **netmask** specified in screen 3 (Configure Network Interface), and current status ("Active" or "Inactive")
- **lan2 interface for bandwidth monitoring: LAN2 IP** address and **netmask** specified in screen 4 (Configure Network Interface), and current status ("Active" or "Inactive")
- **Default gateway IP** address specified in screen 5 (Configure default gateway)
- **Configure host name** specified in screen 7 (Configure Host Name)
- **DNS server IP address(es)** specified in screen 6 (Configure Domain Name Servers)
- Current status of the Threat Analysis Reporter
- Current Version of the Threat Analysis Reporter software

NOTE: *Modifications can be made at any time by returning to the specific screen of the Quick Start menu.*

Log Off, Disconnect the Peripherals

A. After completing the Quick Start setup procedures, return to the Quick Start menu screen and press **9** to log out.

B. Disconnect the peripherals from the Threat Analysis Reporter.

C. Proceed to Physically Connect the Unit to the Network.

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Physically Connect the Unit to the Network

After performing initial setup procedures for the Threat Analysis Reporter, the unit should be physically connected to the network. This step requires a standard CAT-5E cable to connect the unit to the network. An additional CAT-5E cable is required if the Ethernet Tap unit will be installed for bandwidth monitoring.

A. Plug one end of a standard CAT-5E cable into the Threat Analysis Reporter's LAN 1 port, the port on the left.

Fig. 1 - Portion of SL and MSA chassis rear

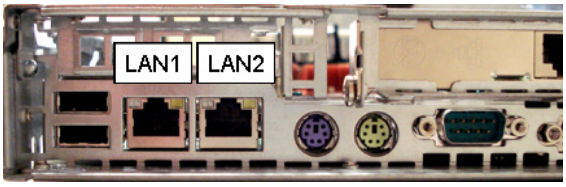

Fig. 2 - Portion of HL chassis rear

B. Plug the other end of the CAT-5E cable into an open port on the network switch.

Bandwidth Management

If you choose to install the Ethernet Tap for bandwidth monitoring, you will need to connect it to the Threat Analysis Reporter at this point. Refer to Appendix A at the end of this document for instructions on how to connect the Ethernet Tap unit.

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Step 1B: LCD Panel Setup Procedures

On an SL or HL unit, the Threat Analysis Reporter can be configured using the LCD panel on front of the chassis bezel. When the bezel is placed on the front of the chassis, with the USB plug inserted into the USB port, the default LCD screen displays with the following message:

8e6 Technologies

Display Initializing
Please Wait

To the right of the LCD screen, the keypad displays, consisting of the following keys: up arrow, down arrow, left arrow, right arrow, checkmark, and “X”.

LCD Menu

Press the “X” key to display the LCD Menu:

In the LCD panel, an arrow displays to the left of the currently selected menu item. Use the up or down arrow keys to navigate the menu. After making your menu selection, press the checkmark key to accept your selection.

NOTE: *On the LCD Menu, press “X” to toggle the display between the main menu and the following information: “Threat Analysis Reporter (software version number)” and “Database Status (Active, Inactive)”.*

8e6 menu

When “**8e6 >**” is selected, the following menu items display on the screen:

- Current Patch Level
- IP / LAN1 >
- IP / LAN2 >
- Gateway
- DNS 1 >
- DNS 2 >
- Host Name >
- Regional Setting (Time Zone, date, time)
- Admin Console Wizard User

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- Reboot >
- Shutdown >

NOTE: *Navigation tips in the 8e6 menu:*
- *Use the up / down arrow key to scroll up / down the menu*
- *Press the checkmark key to choose the current selection*
- *Press the "X" to go back to the previous screen*

Make a selection from the menu, and press the checkmark key to go to that screen.

Current Patch Level

When the Current Patch Level option is selected, "Threat Analysis Reporter" and the version number of the currently installed build displays.

IP / LAN1 and LAN2

When the IP / LAN 1 (LAN 2) option is selected, the IP / LAN 1 (LAN 2) screen displays with the following menu items:

- Configure LAN 1 (2) IP
- Change LAN1 (2) Netmask

A. Choose **Configure LAN 1 (2) IP** and press the checkmark key to go to the Configure LAN 1 (2) IP screen.

B. Use the up / down keys to increase / decrease the current value, and the left / right arrow keys to navigate across the line.

C. Press the checkmark key to accept your entry and to return to the previous screen.

D. Choose **Change LAN1 (2) Netmask** and press the checkmark key to go to the Change LAN1 (2) Netmask screen.

E. Use the up / down keys to increase / decrease the current value, and the left / right arrow keys to navigate across the line.

F. Press the checkmark key to accept your entry and to return to the previous screen.

G. Press the "X" key to return to the 8e6 menu.

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Gateway

When the Gateway option is selected, the Gateway screen displays with the Configure Gateway IP menu item.

A. Choose **Configure Gateway IP** and press the checkmark key to go to the Configure Gateway IP screen.

B. Use the up / down keys to increase / decrease the current value, and the left / right arrow keys to navigate across the line.

C. Press the checkmark key to accept your entry and to return to the previous screen.

D. Press the “X” key to return to the 8e6 menu.

DNS 1 and 2

When the DNS 1 (2) option is selected, the DNS 1 (2) screen displays with the Configure DNS IP 1 (2) menu item.

A. Choose **Configure DNS IP 1 (2)** and press the checkmark key to go to the Configure DNS IP 1 (2) screen.

B. Use the up / down keys to increase / decrease the current value, and the left / right arrow keys to navigate across the line.

C. Press the checkmark key to accept your entry and to return to the previous screen.

D. Press the “X” key to return to the 8e6 menu.

Host Name

When the Host Name option is selected, the Host Name screen displays with the Configure Hostname menu item.

A. Choose **Configure Hostname** and press the checkmark key to go to the Configure Hostname screen.

B. Use the arrow keys to navigate the menu. Press the right arrow key to view the alphabets in first uppercase and then lowercase, numbers from 0-9, and lastly the symbol characters.

NOTE: *Navigation tips:*

- *If the down arrow key is pressed first—instead of the right arrow key—the symbol characters display first.*
- *Press the “X” key to remove a character and move the cursor to the first position in the line.*

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C. Press the checkmark key to return to the previous screen.

D. Press the “X” key to return to the 8e6 menu.

Regional Setting (Time Zone, date, time)

When the Regional Setting (Time Zone, date, time) option is selected, the Regional Setting (Time Zone, date, time) screen displays with the Region menu item.

A. Choose **Region**, and use the left / right arrow keys to view the available region selections.

B. After making a selection, press the checkmark key to display the Choose a Location screen.

C. Choose **Location**, and use the left / right arrow keys to view the available location selections.

D. After making a selection, press the checkmark key to display the Save Changes? screen:

- Choose **Yes** to save your changes and to return to the 8e6 menu.
- Choose **No** to return to the previous screen.

Admin Console Wizard User

When the Admin Console Wizard User option is selected, the Admin Console Wizard User screen displays with two menu selections:

- Choose **Reset TAR setup wizard username** to reset the username and to return to the 8e6 menu.
- Choose **Reset TAR setup wizard password** to reset the password and to return to the 8e6 menu.

Reboot

When the Reboot option is selected, the Reboot screen displays with two menu items.

A. Choose one of two options:

- **Yes, reboot now!!!** - This selection reboots the Threat Analysis Reporter.
- **No, cancel reboot** - This selection returns you to the previous screen.

B. Press the “X” key to return to the 8e6 menu.

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Shutdown

When the Shutdown option is selected, the Shutdown screen displays with two menu items.

A. Choose one of two options:

- **Yes, shutdown now!!** - This selection shuts down the Threat Analysis Reporter.
- **No, cancel shutdown** - This selection returns you to the previous screen.

B. Press the “X” key to return to the 8e6 menu.

LCD Options menu

When “**LCD Options >**” is selected, the following menu items display on the screen:

- Heartbeat
- Backlight
- LCD Controls >

Make a selection from the menu, and press the checkmark key to go to that screen.

Heartbeat

When the Heartbeat option is selected, the Heartbeat screen displays.

A. Press the checkmark or right arrow key three times to view each of the three available options:

   - heartbeat feature enabled (checkbox populated with “x”)
   - heartbeat feature disabled (checkbox empty)
   - check for a heartbeat now (checkbox populated with checkmark, and blinking heartbeat symbol displayed in the line above)

B. After making your selection, press the “X” key to return to the previous screen.

Backlight

When the Backlight option is selected, the Backlight screen displays.

A. Press the checkmark or right arrow key three times to view each of the three available options:

   - backlight feature enabled (checkbox populated with “x” and backlight turns on)
   - backlight feature disabled (checkbox empty and backlight turns off)
   - display the backlight now (checkbox populated with checkmark, and backlight turns on)

B. After making your selection, press the “X” key to return to the previous screen.

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LCD Controls

When the LCD Controls option is selected, the LCD Controls screen displays with the following menu items: Contrast, On Brightness, Off Brightness.

A. Choose one of the menu selections and press the checkmark key to go to that screen:

- **Contrast** - In the Contrast screen, use the left / right arrow keys to decrease / increase the text and screen contrast.
- **On Brightness** - In the On Brightness screen, use the left / right arrow keys to decrease / increase the brightness of a screen with a feature that is enabled.
- **Off Brightness** - In the Off Brightness screen, use the left / right arrow keys to decrease / increase the brightness of a screen with a feature that is disabled.

B. After making your selection, press the “X” key to return to the previous screen.

Bandwidth Management

If you choose to install the Ethernet Tap for bandwidth monitoring, you will need to connect it to the Threat Analysis Reporter at this point. Refer to Appendix A at the end of this document for instructions on how to connect the Ethernet Tap unit.

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Step 2: Wizard Setup Procedures

For this step, you will need your network administrator to provide you the following information:

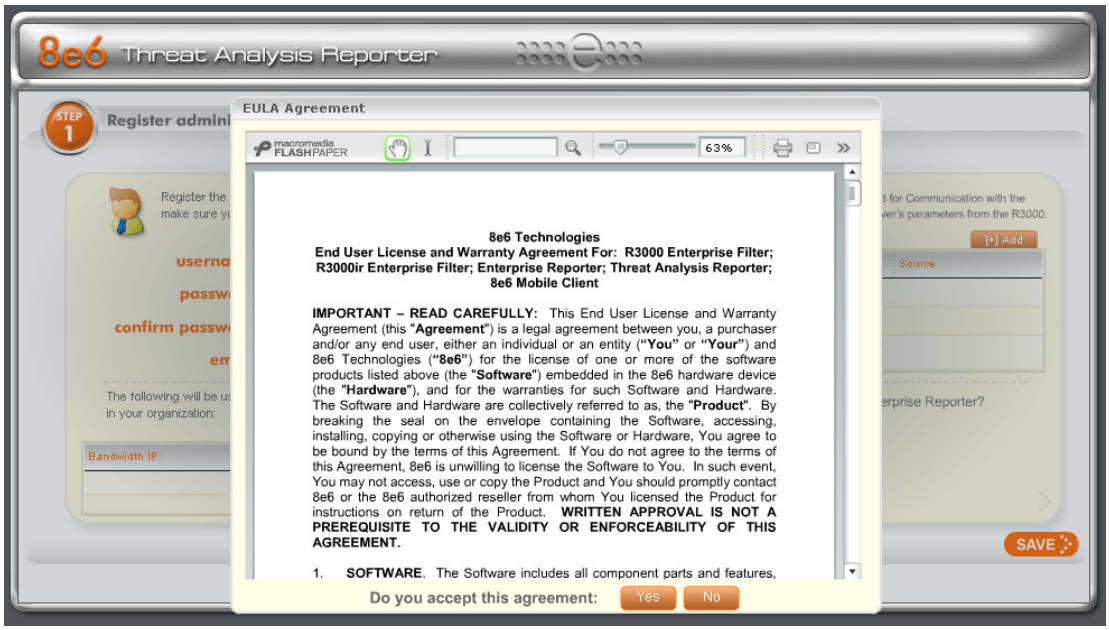
- IP range and netmask of machines on the network the Threat Analysis Reporter server will be monitoring
- R3000 IP address, and port number to be used between the R3000 and Threat Analysis Reporter
- 8e6 Enterprise Reporter server IP address and server name, if an ER unit is connected to the R3000

Access the Threat Analysis Reporter Administrator Console

A. Launch Internet Explorer.

B. In the address field, type in **http://x.x.x.x:8080/8e6tar/wizard.html** (in which "x.x.x.x" represents the eth0 (LAN1) IP address entered in the Connect Network Interface screen of the Quick Start Setup Procedures). In our example, this entry would be: ***http://200.100.10.10:8080/8e6tar/wizard.html***.

C. Click **Go** to open the Threat Analysis Reporter interface and the EULA Agreement dialog box:


8e6 Threat Analysis Reporter
EULA Agreement
63%
8e6 Technologies
End User License and Warranty Agreement For: R3000 Enterprise Filter; R3000ir Enterprise Filter; Enterprise Reporter; Threat Analysis Reporter; 8e6 Mobile Client
IMPORTANT – READ CAREFULLY: This End User License and Warranty Agreement (this "Agreement") is a legal agreement between you, a purchaser and/or any end user, either an individual or an entity ("You" or "Your") and 8e6 Technologies ("8e6") for the license of one or more of the software products listed above (the "Software") embedded in the 8e6 hardware device (the "Hardware"), and for the warranties for such Software and Hardware. The Software and Hardware are collectively referred to as, the "Product". By breaking the seal on the envelope containing the Software, accessing, installing, copying or otherwise using the Software or Hardware, You agree to be bound by the terms of this Agreement. If You do not agree to the terms of this Agreement, 8e6 is unwilling to license the Software to You. In such event, You may not access, use or copy the Product and You should promptly contact 8e6 or the 8e6 authorized reseller from whom You licensed the Product for instructions on return of the Product. WRITTEN APPROVAL IS NOT A PREREQUISITE TO THE VALIDITY OR ENFORCEABILITY OF THIS AGREEMENT.
1. SOFTWARE. The Software includes all component parts and features,
Do you accept this agreement:
Yes
No
Register admini
STEP 1
SAVE

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D. After reading the End User License Agreement, you have the option to do either of the following:

- Click **No** to close both the EULA Agreement dialog box and the Threat Analysis Reporter interface. You will not be able to enable the Threat Analysis Reporter for use in your environment.
- Click **Yes** to close the EULA Agreement dialog box and to open the Login dialog box:

Proceed to the next sub-section: Log in to the Threat Analysis Reporter Wizard.

Log in to the Threat Analysis Reporter Wizard

A. In the **Username** field of the Login dialog box, type in the username specified in the Configure Wizard user screen of the Quick Start Setup Procedures. In our example, this entry would be: ***taruser***.

B. In the **Password** field, type in the password specified in the Configure Wizard user screen of the Quick Start Setup Procedures.

C. Click **LOGIN** to close the login dialog box and to go to Step 1 of wizard setup procedures in the Threat Analysis Reporter Wizard (see Wizard Step 1: Register administrator).

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Wizard Step 1: Register administrator

Step 1 is performed in the left side of the first screen of the wizard:

A. Enter the **username** the global administrator will use when logging into the Threat Analysis Reporter Administrator console. The global administrator has the highest level of permissions in the Threat Analysis Reporter interface.

B. Enter the **password** to be used with that username, and enter the same password again in the **confirm password** field.

C. Enter the **email** address of the global administrator, who will be notified via email regarding system alerts.

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D. Click the [+] Add tab below to open the IP Range Information dialog box:

E. Enter the **Bandwidth IP** address range for the bandwidth the Threat Analysis Reporter will monitor.

F. Enter the **Bandwidth Netmask** for the bandwidth IP range to be monitored, using the dotted decimals notation format.

G. Click **OK** to close the dialog box and to display your entries in the list box:

NOTE: *Additional Bandwidth IP address ranges can be included by clicking the [+] Add tab again and making the entries described in steps E through G above.*

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To modify an IP address range, double-click the entry in the list box to highlight it and to display the [-] Remove tab to the left of the [+] Add tab:

- To modify the entries made for the IP address range, click the [+] Add tab to re-open the IP Range Information dialog box and edit information, as necessary. Click **OK** to close the dialog box and to display the modified information in the list box.
- To remove the entry for the IP address range from the list box, click the [-] Remove tab. Click the [+] Add tab to open the IP Range Information dialog box and make new entries for the IP address range.

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Wizard Step 2: Register R3000 & ER

Step 2 is performed in the right side of the first screen of the wizard.

R3000:

Specify information for the R3000 to be used with the Threat Analysis Reporter:

A. Click the [+] Add tab above the R3000 list box to open the R3000 Information dialog box:

B. Enter the **IP address** of the R3000 server to be used with the Threat Analysis Reporter. In our example, this is: ***200.100.160.74***, which is the LAN 2 IP address of the R3000 server.

C. Enter the **Server Name** of the R3000 to be used with the Threat Analysis Reporter, which is any name you wish to associate with that R3000. In our example, this is: ***R3000LOGO***.

D. Respond to the question “Is this your Source R3000?” by clicking the “Yes” checkbox, if this R3000 will be designated the primary R3000 to be associated with the Threat Analysis Reporter. Otherwise, leave the checkbox blank.

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E. Click **OK** to close the dialog box and to display your entries in the list box:

8e6 Threat Analysis Reporter
STEP 1
Register administrator
Register the first administrator for the TAR box. Please make sure you use only alpha-numeric characters.
username : jsmith23
password : ********
confirm password : ********
email : jsmith23@logo.com
The following will be used to calculate the bandwidth monitoring in your organization:
[+] Add
Bandwidth IP: Bandwidth Netmask:
200.100.10.10 255.255.255.248
STEP 2
Register R3000 & ER
R3000 // These settings are used for Communication with the TAR agent to retrieve the Patch Server's parameters from the R3000.
[+] Add
IP_Address Server_Name Source
200.100.160.74 R3000LOGO Source
ER // Do you have an Enterprise Reporter?
Yes No
SAVE
Completed Steps 1 2 3

NOTE: *Additional R3000 servers can be included by clicking the [+] Add tab again and making the entries described in steps A through E above.*

To modify an R3000 entry, double-click the R3000 entry in the list box to highlight it and to display the Set as Source tab and the [-] Remove tab to the left of the [+] Add tab:

8e6 Threat Analysis Reporter
STEP 1
Register administrator
Register the first administrator for the TAR box. Please make sure you use only alpha-numeric characters.
username : jsmith23
password : ********
confirm password : ********
email : jsmith23@logo.com
The following will be used to calculate the bandwidth monitoring in your organization:
[+] Add
Bandwidth IP: Bandwidth Netmask:
200.100.10.10 255.255.255.248
STEP 2
Register R3000 & ER
R3000 // These settings are used for Communication with the TAR agent to retrieve the Patch Server's parameters from the R3000.
Set as Source [-] Remove [+] Add
IP_Address Server_Name Source
200.100.160.74 R3000LOGO Source
200.100.160.77 R3000LOGO2
ER // Do you have an Enterprise Reporter?
Yes No
SAVE
Completed Steps 1 2 3

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- To modify the IP address and Server Name for the R3000 server, click the [+] Add tab to re-open the R3000 Information dialog box, and edit information as necessary. Click **OK** to close the dialog box and to display the modified information in the list box.

- To designate an R3000 as the Source R3000 server, click the entry for the R3000 server in the list box to highlight it, and then click the Set as Source tab to display “Source” in the Source column for that entry in the list box.

- To remove the entry for the R3000 server from the list box, click the [-] Remove tab.

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ER:

Respond to the question “Do you have an Enterprise Reporter?” by clicking the radio button corresponding to either “Yes” or “No”.

- If “No” was selected, click **SAVE >** at the bottom right of the screen to go to Step 3.
- If “Yes” was selected, the IP address and Server Name fields display in place of the radio buttons. The < Back button displays above the Server Name field.

NOTE: *To change your answer from “Yes” to “No,” click the* ***< Back*** *button to re-display the question “Do you have an Enterprise Reporter?”*

A. Enter the **IP address** of the ER server to be used with the Threat Analysis Reporter. In our example, this is: ***200.10.101.76***.

B. Enter the **Server Name** of the ER server to be used with the Threat Analysis Reporter. In our example, this is: ***er4logo***.

C. Click **SAVE >** at the bottom right of the screen to save all settings entered during the wizard process, and to go to Step 3.

NOTE: *Upon clicking* ***SAVE >*** *the wizard will verify whether the settings made in Step 1 and Step 2 are correct. If there is an error in any entry made, an orange asterisk flashes beside the field in which the error was made. Correct the error and click* ***SAVE >*** *again to go to Step 3.*

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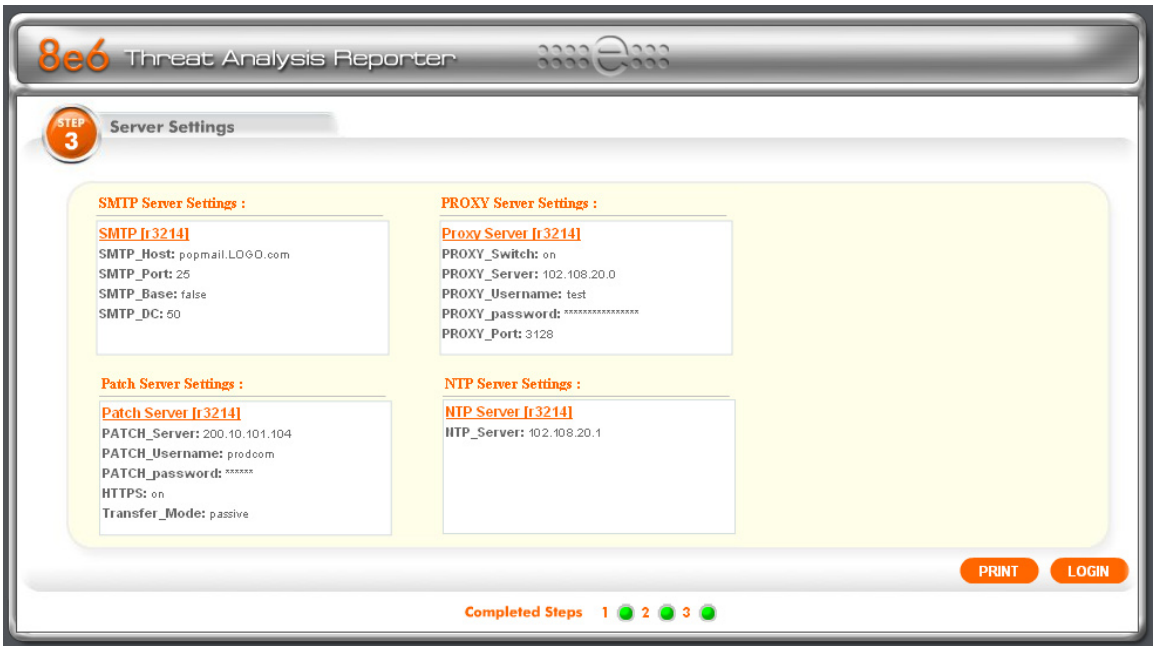
Step 3: Server Settings

Step 3, the following R3000 server information displays: SMTP Server Settings, Patch Server Settings, PROXY Server Settings, NTP Server Settings:



After reviewing the information in this screen, the following actions can now be performed:

- To print this information, click the **PRINT** button.
- Click **LOGIN** to close the wizard and to open the login dialog box of the Threat Analysis Reporter interface so you can begin using the application.

NOTE: *To shut down the Threat Analysis Reporter server, press the power button on the front of the unit to turn off the machine.*

Conclusion

Congratulations; you have completed the Threat Analysis Reporter quick start procedures. Now that the Threat Analysis Reporter is running on your network, the next step is to set up user groups or administrator groups. You will set up and configure gauges thereafter.

Obtain the latest Threat Analysis Reporter User Guide from our Web site at **http://www.8e6.com/docs/tar_ug.pdf**.

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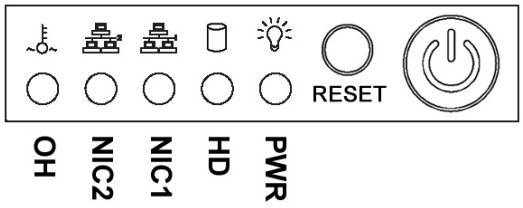
LED Indicators and Buttons

SL and MSA Units

Front LED Indicators and Buttons for Hardware Status Monitoring

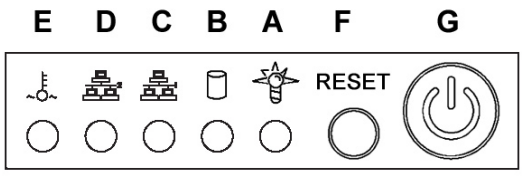
LED indicators and buttons for hardware status monitoring display on the front panel, located on the right side of the SL and MSA chassis (see diagrams below).



SL chassis control panel

LED Indicator Key

PWR = Power
HD = HDD Activity
NIC1 = LAN 1
NIC2 = LAN 2
OH = Overheat



MSA chassis control panel

LED Indicator Key

A = Power
B = HDD Activity
C = LAN 1
D = LAN 2
E = Overheat

Button Key

F = Reset
G = Power

LED indicators alert you to the status of a feature on the unit while buttons let you perform a function on the unit.

LED Indicator	Color	Condition	Description
Power	Green	On	System On
		Off	System Off
HDD	Amber	Blinking	HDD Activity
		Off	No HDD Activity
LAN 1 & LAN 2	Green	On	Link Connected
		Blinking	LAN Activity
		Off	Disconnected
Overheat	Red	On	System Overheated
		Off	System Normal

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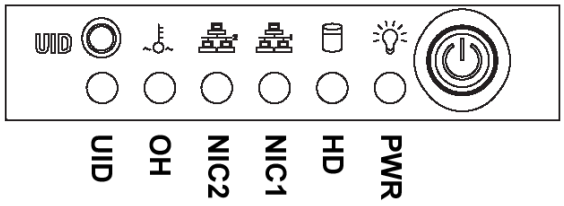
HL Unit

Front LED Indicators and Buttons for Hardware Status Monitoring

On an HL unit, the following control panel buttons, icons, and LED indicators for hardware status monitoring display on the right side of the front panel:

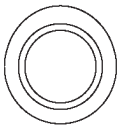


HL chassis control panel

LED Indicator Key

PWR = Power
HD = HDD Activity
NIC1 = LAN 1
NIC2 = LAN 2
OH = Overheat
UID = Unique IDentifier

The buttons and LED indicators for the depicted icons function as follows:



UID (button) – On an HL unit, when the UID button is pressed, a steady blue LED displays on both the front and rear of the chassis (see also Rear of Chassis). These indicators are used for easy location of the chassis in a large stack configuration. The LED remains on until the button is pressed a second time.

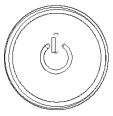
Overheat/Fan Fail (icon) – This LED is unlit unless the chassis is overheated. A flashing red LED indicates a fan failure. A steady red LED (on and not flashing) indicates an overheating condition, which may be caused by cables obstructing the airflow in the system or the ambient room temperature being too warm.

NIC2 (icon) – A flashing green LED indicates network activity on LAN2.

NIC1 (icon) – A flashing green LED indicates network activity on LAN1.

HDD (icon) – In addition to displaying in the control panel, this icon also displays on the front panel on each hard drive carrier. A green LED indicates hard drive activity. An unlit LED on a drive carrier may indicate a hard drive failure.

Power (icon) – The LED is unlit when the server is turned off. A steady green LED indicates power is being supplied to the unit's power supplies. (See also Rear of Chassis.) A steady amber LED—or an unlit LED—may indicate a disconnected or loose power supply cord.



Power (button) – When the power button is pressed, the main power to the server is turned on. When the power button is pressed again, the main power to the server is removed but standby power is still supplied to the server.

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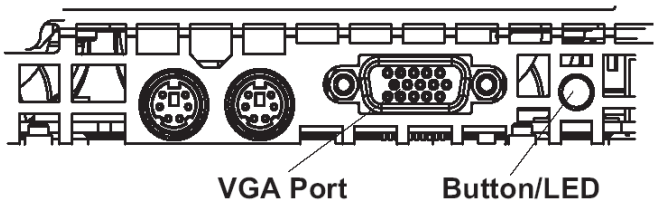
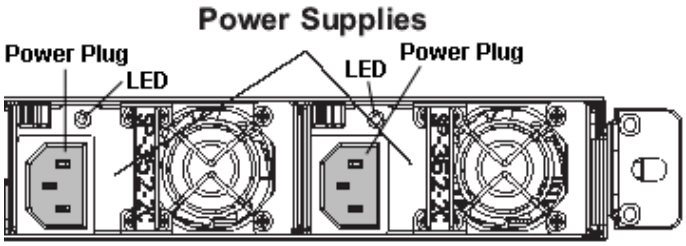
Rear LED Indicators for Hardware Status Monitoring

UID (LED indicator) – On the rear of the HL chassis, to the left of the power supplies, a steady blue UID LED indicator displays when the UID button on the control panel is pressed. This LED remains lit until the UID button is pressed again.



Power Supplies (LED indicators) – The power supplies are located at the right on the rear of the chassis. An LED indicator is located above each of the power plugs.



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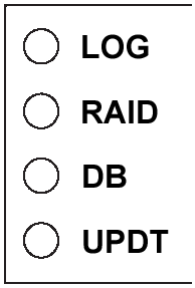
HL and SL Units

Front LED Indicators for Software and Hardware Status Monitoring

On an HL or SL unit, the following LED indicators for software and hardware status monitoring display on the left side of the front panel:



left side of the front panel

LED Indicator Key

LOG = Log Download Status
RAID = Hard Drive Status
DB = Database Status
UPDT = Software Update Status

LED Indicator	Color	Condition	Description
LOG	Green	On	Downloading a log
		Off	No log download detected
RAID	Green	On	RAID mode enabled and running
		Off	RAID mode is inactive
	Red	On	Hard drive fault or failure
DB	Green	On	Database is active
	Red	On	Database in inactive
UPDT	Amber	On	Software update detected
		Off	No software update detected

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Regulatory Specifications and Disclaimers

Declaration of the Manufacturer or Importer

Safety Compliance

USA:	UL 60950-1 2nd ed. 2007
Europe:	Low Voltage Directive (LVD) 2006/95/EC to CB Scheme EN 60950: 2006
International:	UL/CB to IEC 60950-1:2006

Electromagnetic Compatibility (EMC)

USA:	FCC CFR 47 Part 15, Verified Class A Limit
Canada:	IC ICES-003 Class A Limit
Europe:	EMC Directive, 2004/108/EC & Low Voltage Directive (LVD) 2006/95/EC
Taiwan:	Bureau of Standards and Metrology Inspection (BSMI) CNS 13438: 2006

Federal Communications Commission (FCC) Class A Notice (USA)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Declaration of Conformity

Models: HL-005-004, SL-004-004, MSA-004-004

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Electromagnetic Compatibility Class A Notice

Industry Canada Equipment Standard for Digital Equipment (ICES-003)

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sure le matériel brouilleur du Canada.

English translation of the notice above:

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Bureau of Standards Metrology and Inspection (BSMI) - Taiwan

BSMI EMC STATEMENT -- TAIWAN

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

警告使用者：

這是甲類的資訊產品，在居住的環境中使用時，可能會造成設頻干擾，在這種情況下，使用者會被要求採取某些適當的對策。

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EC Declaration of Conformity

European Community Directives Requirement (CE)

Declaration of Conformity

Manufacturer's Name:	8e6 Technologies	
Manufacturer's Address:	828 W. Taft Avenue Orange, CA 92865	
Application of Council Directive(s):	Low Voltage	• 2006/95/EC
	EMC	• 2004/108/EC
Standard(s):	Safety	• EN60950: 2006
	EMC	• EN55022: 2006 • EN55024: 1998 +A2:2003 • EN61000-3-2: 2000 • EN61000-3-3: 2001
Product Name(s):	Internet Appliance	
Product Model Number(s):	HL-005-004, SL-004-004, MSA-004-004	
Year in which conformity is declared:	2008	
	All hardware components supplied in this unit's shipping carton are certified by our vendors to be RoHS compliant.	

I, the undersigned, hereby declare that the equipment specified above conforms to the above Directive(s) and Standard(s).

Location:	Orange, CA, USA	Signature:	
Date:	January 21, 2008	Full Name:	Gregory P. Smith
		Position:	Director of Engineering Operations

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Appendix: Optional Ethernet Tap Installation

This appendix pertains to the optional installation of the Ethernet Tap unit for bandwidth monitoring.

Preliminary Setup Procedures

Unpack the Ethernet Tap Unit from the Box

Open the NetOptics Ethernet Tap box and verify that all accessories are included. Save all packing materials in the event that the unit needs to be returned to 8e6 Technologies.

The NetOptics box should contain the following items:

- 1 NetOptics 10/100BaseT Tap
- 2 Power Supply units
- 2 AC Power cords
- 2 Crossover cables
- 2 Straight through cables
- 1 Installation Guide

Other Required Installation Items

In addition to the contents of the NetOptics box, you will need the following item to install the Ethernet Tap unit:

- 1 Standard CAT-5E cable

Inspect the box for damage. If the contents appear damaged, file a damage claim with the carrier immediately.

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Install the Ethernet Tap Unit

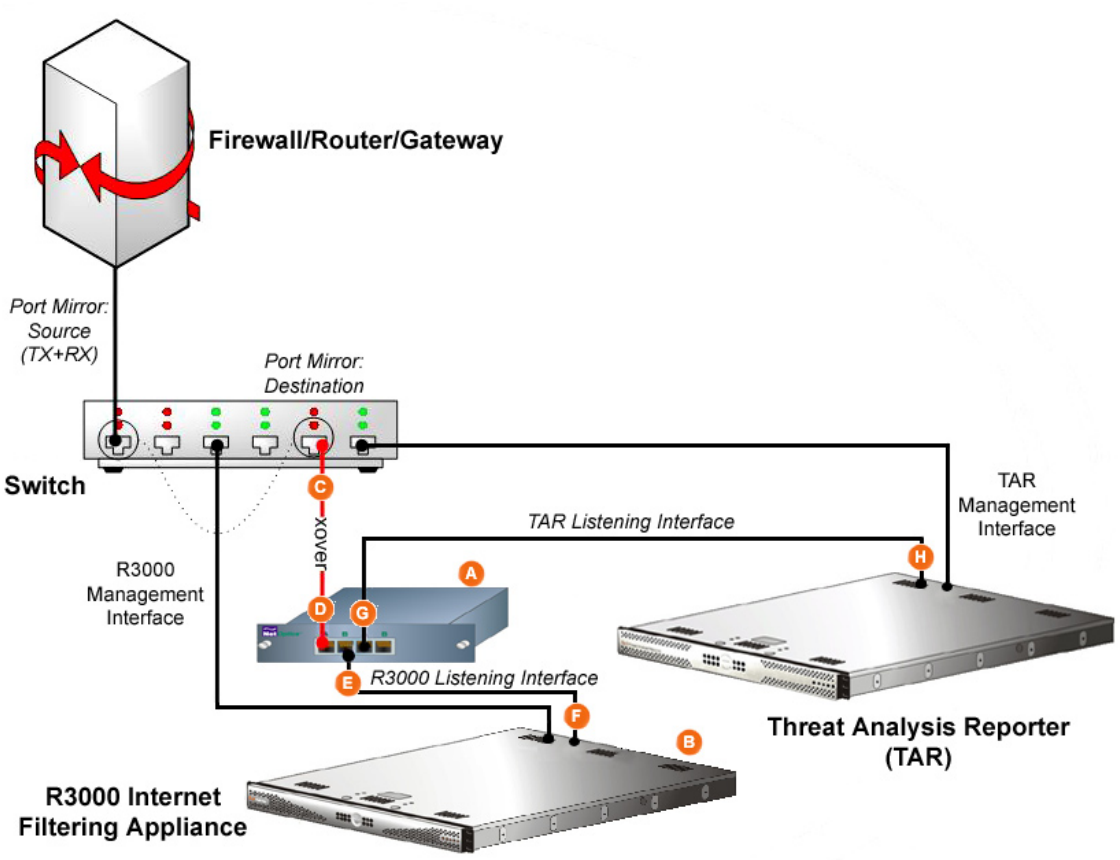

Diagram showing TAR Ethernet Tap installation on the network

This step is a continuation from Physically Connect the Unit to the Network in Step 1A or following setup in Step 1B. The procedures outlined in this step require the use of a CAT-5E cable.

A. Provide power to the Ethernet Tap by connecting both power cords from the unit to the power source.

AC power in rear panel of NetOptics 10/100BaseT Tap

B. If a designated source R3000 (to be used with the Threat Analysis Reporter) is already installed on the network, disconnect the cable that connects this R3000 to the switch.

   If the designated R3000 has not yet been installed, disregard this sub-step and proceed to sub-step C.

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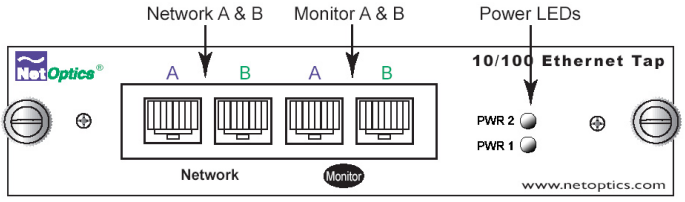
C. Using a crossover cable, connect one end to the Switch's port configured to be the destination port of the Port Mirror.

   If adding a Threat Analysis Reporter to an existing installation, this port would be the port that was originally occupied by the listening interface of the R3000.

D. Connect the other end of the crossover cable to the Ethernet Tap's Network A port.



Ports in front panel of NetOptics 10/100BaseT Tap

E. Using a straight through cable, connect one end to the Ethernet Tap's Network B port.

F. Connect the other end of the straight through cable to the R3000's listening interface.

G. Using the second straight through cable, connect one end to the Ethernet Tap's Monitor A port.

H. Connect the other end of the second straight through cable to the Threat Analysis Reporter's listening interface.

Proceed to Step 2: Wizard Setup Procedures of the Threat Analysis Reporter installation instructions.

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